

**Addendum-04**  
**CMRL/PHASE -II/SYS/CP22/ASA04/2021**  
**14 March 2022**

SN	Part	Section	Clause	Original Bid condition	Revised bid condition
1	Part 2	General Specification	Appendix 2A and 2B		The revised AD and KD is attached herewith. This document replaces the information in Appendix 2A and 2B of the original bid document and any previous addendums on AD and KD, if any.
2	Part 2	Tender drawing		The tender drawings are replaced with the revised one as available in the link below: <a href="https://cmrlindia-my.sharepoint.com/:u:/g/personal/aswin_vishnu_cmrl_in/EaSwg4emC3RGpERZgOlGaeEBY01j7cCTEXIPelgEQMQw9g?e=qYu9rE">https://cmrlindia-my.sharepoint.com/:u:/g/personal/aswin_vishnu_cmrl_in/EaSwg4emC3RGpERZgOlGaeEBY01j7cCTEXIPelgEQMQw9g?e=qYu9rE</a>	
3	Part 2	Particular Specifications	5.23.10.10.f	The contractor shall prepare a common fiber core allocation plan as a part of interface and Dark fibers cable shall be allocated for various system packages. The allocation shall include sufficient spare cores for each system. The allocation shall include the fiber cores for property development of the Employer. The fiber allocation plan shall be submitted to the Engineer for NoNO.	The contractor shall prepare a common fiber core allocation plan as a part of interface and Dark fibers cable shall be allocated for Signalling contractor, Power supply/OHE contractors . The allocation shall include sufficient spare cores for each system. The allocation shall include the fiber cores for property development of the Employer. The fiber allocation plan shall be submitted to the Engineer for NoNO.
4	Part 2	Particular Specifications ( Addendum 01 , SN 163)	5.23.10.10.i	The connection fiber to OCC and BOCC shall have path diversity. For Koyambedu OCC, the two number of fiber cable ( 144 core each)shall connect from Vadapalani Station. For BOCC at Nandanam Metro Bhavan, the two fiber cables ( 144 core each) shall connect from Alandur station. The contractor shall lay the OFC in Phase 1 viaducts and tunnels with path diversity (one cable in UP line cable tray and one cable in Down line cable tray) and connect the OCC and BOCC to the corridors of Phase 2.	The connection fiber to OCC and BOCC shall have path diversity. For Koyambedu OCC, the <b>four</b> number of fiber cable ( 144 core each)shall connect from Vadapalani Station to bring all communication bus/rings/networks to OCC.Similarly, for BOCC at Nandanam Metro Bhavan, the <b>four</b> fiber cables ( 144 core each) shall connect from Alandur station. The contractor shall lay the OFC in Phase 1 viaducts and tunnels with path diversity (two cables in UP line cable tray and two cables in Down line cable tray) and connect the OCC and BOCC to the corridors of Phase 2. <b>Additionally one cable connecting Vadapalani to Alandur ( through pahse 1 alignment) shall also be provided, which shall be used in conjunction with the cables mentioned above to make a direct connection path between OCC and BOCC for Signalling package requirement. These cables shall be of longer length to minimise the number of splices in between.</b>

**Table 1: Summary of Key dates:**

Key Date Ref.	Description	Calendar days from Commencement date	Associated Price Centres for purposes of Liquidated Damages
<b>Key dates Associated to Rolling stock - ARE03a Contract</b>			
SIG-ARE03-KD-001	Complete preliminary definition of mechanical and electrical interface between Signalling train borne equipment and rolling stock of ARE 03a	150	Total of Price Centres – A2.1, A2.2, A2.3, A2.4
SIG-ARE03-KD-002	Complete Final Detailed Design Submission for the ARE 03 Rolling stock in accordance with Specification	350	Total of Price Centres – B.S1.1.1, B.S1.1.3, B.S1.1.4, B.S1.1.8, B.S1.1.10 and B.S1.1.11
SIG-ARE03-KD-003	Complete delivery of the Signalling train borne equipment for the pilot rake to the Rolling Stock Contractor's car building factory for the proto type rake (3 cars) installation	500	Total of Price Centres – J2.1.1 and J2.2.1 (proportionate cost)
SIG-ARE03-KD-004	Complete joint installation and testing of Signalling train borne equipment for the proto type rake (3 cars) at the car builders factory	560	J2.3.1 (proportionate cost)
SIG-ARE03-KD-005	Complete delivery of the Signalling train borne equipment to the Rolling Stock Contractor's car building factory for the 1 <sup>st</sup> production rakes (6 Train sets) installation	600	Total of Price Centres – J2.1.1, J2.2.1 (proportionate cost)
SIG-ARE03-KD-006	Complete delivery of the Signalling train borne equipment to the Rolling Stock Contractor's car building factory for the 2 <sup>nd</sup> production rakes (6 Train sets) installation	690	Total of Price Centres – J2.1.1, J2.2.1 (proportionate cost)
SIG-ARE03-KD-007	Complete delivery of the Signalling train borne equipment to the Rolling Stock Contractor's car building factory for the 3 <sup>rd</sup> production rakes (6 Train sets) installation	750	Total of Price Centres – J2.1.1, J2.2.1 (proportionate cost)
SIG-ARE03-KD-008	Complete delivery of the Signalling train borne equipment to the Rolling Stock Contractor's car building factory for the 4 <sup>th</sup> production rakes (7 Train sets) installation	830	Total of Price Centres – J2.1.1, J2.2.1 (proportionate cost)
SIG-ARE03-KD-009	Complete joint installation and testing of Signalling train borne equipment for the 1 <sup>st</sup> production rakes (6 Train sets) at the car builders factory	660	J2.3.1 (proportionate cost)
SIG-ARE03-KD-010	Complete joint installation and testing of Signalling train borne equipment for the 2 <sup>nd</sup> production rakes (6 Train sets) at the car builders factory	750	J2.3.1 (proportionate cost)
SIG-ARE03-KD-011	Complete joint installation and testing of Signalling train borne equipment for the 3 <sup>rd</sup> production rakes (6 Train sets) at the car builders factory	810	J2.3.1 (proportionate cost)
SIG-ARE03-KD-012	Complete joint installation and testing of Signalling train borne equipment for the 4 <sup>th</sup> production rakes (7 Train sets) at the car builders factory	890	J2.3.1 (proportionate cost)
<b>Key dates Associated to Rolling stock - ARE04 Contract</b>			
SIG-ARE04-KD-001	Complete preliminary definition of mechanical and electrical interface between Signalling train borne equipment and rolling stock of ARE 04	380	Total of Price Centres – A2.1+A2.2+A2.3+A2.4
SIG-ARE04-KD-002	Complete Final Detailed Design Submission for the ARE 04 Rolling stock in accordance with Specification	630	Total of Price Centres – C.S2.1.1, C.S2.1.3, C.S2.1.4, C.S2.1.8, C.S2.1.10, C.S2.1.11
SIG-ARE04-KD-003	Complete delivery of the Signalling train borne equipment at the Rolling Stock Contractor's car building factory for the proto type rake (3 cars) installation	700	Total of Price Centres - J2.1.2, J2.2.2 (proportionate cost)

Key Date Ref.	Description	Calendar days from Commencement date	Associated Price Centres for purposes of Liquidated Damages
SIG-ARE04-KD-004	Complete joint installation and testing of Signalling train borne equipment for the proto type rake (3 cars) at the car builders factory	760	Total of Price Centres - J2.3.2 (proportionate cost)
SIG-ARE04-KD-005	Complete delivery of the Signalling train borne equipment to the Rolling Stock Contractor's car building factory for the 1 <sup>st</sup> production rakes (6 Train sets) installation	800	Total of Price Centres - J2.1.2, J2.2.2 (proportionate cost)
SIG-ARE04-KD-006	Complete delivery of the Signalling train borne equipment to the Rolling Stock Contractor's car building factory for the 2 <sup>nd</sup> production rakes (6 Train sets) installation	860	Total of Price Centres - J2.1.2, J2.2.2 (proportionate cost)
SIG-ARE04-KD-007	Complete delivery of the Signalling train borne equipment to the Rolling Stock Contractor's car building factory for the 3 <sup>rd</sup> production rakes (6 Train sets) installation	920	Total of Price Centres - J2.1.2, J2.2.2 (proportionate cost)
SIG-ARE04-KD-008	Complete delivery of the Signalling train borne equipment to the Rolling Stock Contractor's car building factory for the 4 <sup>th</sup> production rakes (6 Train sets) installation	980	Total of Price Centres - J2.1.2, J2.2.2 (proportionate cost)
SIG-ARE04-KD-009	Complete delivery of the Signalling train borne equipment to the Rolling Stock Contractor's car building factory for the 5 <sup>th</sup> production rakes (6 Train sets) installation	1040	Total of Price Centres - J2.1.2, J2.2.2 (proportionate cost)
SIG-ARE04-KD-010	Complete delivery of the Signalling train borne equipment to the Rolling Stock Contractor's car building factory for the 6 <sup>th</sup> production rakes (6 Train sets) installation	1100	Total of Price Centres - J2.1.2, J2.2.2 (proportionate cost)
SIG-ARE04-KD-011	Complete delivery of the Signalling train borne equipment to the Rolling Stock Contractor's car building factory for the 7 <sup>th</sup> production rakes (5 Train sets) installation	1160	Total of Price Centres - J2.1.2, J2.2.2 (proportionate cost)
SIG-ARE04-KD-012	Complete joint installation and testing of Signalling train borne equipment for the 1 <sup>st</sup> production rakes (6 Train sets) at the car builders factory	860	Total of Price Centres - J2.3.2 (proportionate cost)
SIG-ARE04-KD-013	Complete joint installation and testing of Signalling train borne equipment for the 2 <sup>nd</sup> production rakes (6 Train sets) at the car builders factory	920	Total of Price Centres - J2.3.2 (proportionate cost)
SIG-ARE04-KD-014	Complete joint installation and testing of Signalling train borne equipment for the 3 <sup>rd</sup> production rakes (6 Train sets) at the car builders factory	980	Total of Price Centres - J2.3.2 (proportionate cost)
SIG-ARE04-KD-015	Complete joint installation and testing of Signalling train borne equipment for the 4 <sup>th</sup> production rakes (6 Train sets) at the car builders factory	1040	Total of Price Centres - J2.3.2 (proportionate cost)
SIG-ARE04-KD-016	Complete joint installation and testing of Signalling train borne equipment for the 5 <sup>th</sup> production rakes (6 Train sets) at the car builders factory	1100	Total of Price Centres - J2.3.2 (proportionate cost)
SIG-ARE04-KD-017	Complete joint installation and testing of Signalling train borne equipment for the 6 <sup>th</sup> production rakes (6 Train sets) at the car builders factory	1160	Total of Price Centres - J2.3.2 (proportionate cost)
SIG-ARE04-KD-018	Complete joint installation and testing of Signalling train borne equipment for the 7 <sup>th</sup> production rakes (5 Train sets) at the car builders factory	1220	Total of Price Centres - J2.3.2 (proportionate cost)
<b>Key dates Associated to Rolling stock - ARE02 Contract</b>			
SIG-ARE02-KD-001	Complete preliminary definition of mechanical and electrical interface between Signalling train borne equipment and rolling stock of ARE 02	390	Total of Price Centres – A2.1+A2.2+A2.3+A2.4
SIG-ARE02-KD-002	Complete Final Detailed Design Submission for the ARE 02 Rolling stock in accordance with Specification	590	Total of Price Centres – D1.S3A.1.1, D1.S3A.1.3, D1.S3A.1.4, D1.S3A.1.8,

<b>Key Date Ref.</b>	<b>Description</b>	<b>Calendar days from Commencement date</b>	<b>Associated Price Centres for purposes of Liquidated Damages</b>
			D1.S3A.1.10, D1.S3A.1.11
SIG-ARE02-KD-003	Complete delivery of the Signalling train borne equipment to the Rolling Stock Contractor's car building factory for the proto type rake (3 cars) installation	840	Total of Price Centre J1.1 +J1.2 (proportionate share)
SIG-ARE02-KD-004	Complete joint installation and testing of Signalling train borne equipment for the proto type rake (3 cars) at the car builders factory	900	Total of Price Centre J1.3 (proportionate share)
SIG-ARE02-KD-005	Complete delivery of the Signalling train borne equipment to the Rolling Stock Contractor's car building factory for the 1 <sup>st</sup> production rakes (8 Train sets) installation	1010	Total of Price Centre J1.1 +J1.2 (proportionate share)
SIG-ARE02-KD-006	Complete delivery of the Signalling train borne equipment to the Rolling Stock Contractor's car building factory for the 2 <sup>nd</sup> production rakes (7 Train sets) installation	1070	Total of Price Centre J1.1 +J1.2 (proportionate share)
SIG-ARE02-KD-007	Complete delivery of the Signalling train borne equipment to the Rolling Stock Contractor's car building factory for the 3 <sup>rd</sup> production rakes (7 Train sets) installation	1140	Total of Price Centre J1.1 +J1.2 (proportionate share)
SIG-ARE02-KD-008	Complete delivery of the Signalling train borne equipment to the Rolling Stock Contractor's car building factory for the 4 <sup>th</sup> production rakes (7 Train sets) installation	1200	Total of Price Centre J1.1 +J1.2 (proportionate share)
SIG-ARE02-KD-009	Complete delivery of the Signalling train borne equipment to the Rolling Stock Contractor's car building factory for the 5 <sup>th</sup> production rakes (6 Train sets) installation	1260	Total of Price Centre J1.1 +J1.2 (proportionate share)
SIG-ARE02-KD-010	Complete delivery of the Signalling train borne equipment to the Rolling Stock Contractor's car building factory for the 6 <sup>th</sup> production rakes (6 Train sets) installation	1310	Total of Price Centre J1.1 +J1.2 (proportionate share)
SIG-ARE02-KD-011	Complete delivery of the Signalling train borne equipment to the Rolling Stock Contractor's car building factory for the 7 <sup>th</sup> production rakes (6 Train sets) installation	1370	Total of Price Centre J1.1 +J1.2 (proportionate share)
SIG-ARE02-KD-012	Complete delivery of the Signalling train borne equipment to the Rolling Stock Contractor's car building factory for the 8 <sup>th</sup> production rakes (8 Train sets) installation	1450	Total of Price Centre J1.1 +J1.2 (proportionate share)
SIG-ARE02-KD-013	Complete delivery of the Signalling train borne equipment to the Rolling Stock Contractor's car building factory for the 9 <sup>th</sup> production rakes (7 Train sets) installation	1510	Total of Price Centre J1.1 +J1.2 (proportionate share)
SIG-ARE02-KD-014	Complete delivery of the Signalling train borne equipment to the Rolling Stock Contractor's car building factory for the 10 <sup>th</sup> production rakes (7 Train sets) installation	1570	Total of Price Centre J1.1 +J1.2 (proportionate share)
SIG-ARE02-KD-015	Complete joint installation and testing of Signalling train borne equipment for the 1 <sup>st</sup> production rakes (8 Train sets) at the car builders factory	1070	Total of Price Centre J1.3 (proportionate share)
SIG-ARE02-KD-016	Complete joint installation and testing of Signalling train borne equipment for the 2 <sup>nd</sup> production rakes (7 Train sets) at the car builders factory	1130	Total of Price Centre J1.3 (proportionate share)
SIG-ARE02-KD-017	Complete joint installation and testing of Signalling train borne equipment for the 3 <sup>rd</sup> production rakes (7 Train sets) at the car builders factory	1200	Total of Price Centre J1.3 (proportionate share)
SIG-ARE02-KD-018	Complete joint installation and testing of Signalling train borne equipment for the 4 <sup>th</sup> production rakes (7 Train sets) at the car builders factory	1260	Total of Price Centre J1.3 (proportionate share)
SIG-ARE02-KD-019	Complete joint installation and testing of Signalling train borne equipment for the 5 <sup>th</sup> production rakes (6 Train sets) at the car builders factory	1320	Total of Price Centre J1.3 (proportionate share)

Key Date Ref.	Description	Calendar days from Commencement date	Associated Price Centres for purposes of Liquidated Damages
SIG-ARE02-KD-020	Complete joint installation and testing of Signalling train borne equipment for the 6 <sup>th</sup> production rakes (6 Train sets) at the car builders factory	1370	Total of Price Centre J1.3 (proportionate share)
SIG-ARE02-KD-021	Complete joint installation and testing of Signalling train borne equipment for the 7 <sup>th</sup> production rakes (6 Train sets) at the car builders factory	1430	Total of Price Centre J1.3 (proportionate share)
SIG-ARE02-KD-022	Complete joint installation and testing of Signalling train borne equipment for the 8 <sup>th</sup> production rakes (8 Train sets) at the car builders factory	1510	Total of Price Centre J1.3 (proportionate share)
SIG-ARE02-KD-023	Complete joint installation and testing of Signalling train borne equipment for the 9 <sup>th</sup> production rakes (7 Train sets) at the car builders factory	1570	Total of Price Centre J1.3 (proportionate share)
SIG-ARE02-KD-024	Complete joint installation and testing of Signalling train borne equipment for the 10 <sup>th</sup> production rakes (7 Train sets) at the car builders factory	1630	Total of Price Centre J1.3 (proportionate share)
	<b>Stage 1 Revenue Service</b>		
	<b>Wayside Equipment</b>		
SIG-S1-KD-001	Complete Preliminary Design Submission for the entire Phase 2 in accordance with Specification	180	Total of Price Centre A2
SIG-S1-KD-002	Complete Final Detailed Design Submission for the Stage 1 in accordance with Specification	360	Total of Price Centre B.S1.1
	<b>Poonamallee Depot</b>		
SIG-S1-KD-003	Complete installation and testing of Signalling equipment on test track in Poonamallee Depot	660	Total of cost centres B.S1.2.3 to 2.8, B.S1.2.10, B.S1.2.11, B.S1.3.4, B.S1.3.6
SIG-S1-KD-004	Complete installation and testing of Signalling equipment on Priority Section (Stabling Line 8 to 14, Inspection Bay 1 to 2) in Poonamallee Depot	660	Total of cost centres B.S1.2.3 to 2.8, B.S1.2.10, B.S1.2.11, B.S1.3.4, B.S1.3.6
SIG-S1-KD-005	Complete installation and testing of Signalling equipment on Non Priority Section (Stabling Line 1 to 7, Inspection Bay 3 to 4, Repair bay, Depot Open Area) in Poonamallee Depot	760	Total of cost centres B.S1.2.3 to 2.8, B.S1.2.10, B.S1.2.11, B.S1.3.4, B.S1.3.6
SIG-S1-KD-006	Complete SAT of entire Signalling system in Test Track and interlocking system for priority area of depot, with safety case	690	B.S1.4
SIG-S1-KD-007	Complete SAT of entire Signalling system in Test Track and interlocking system for Non priority area of depot, with safety case	820	B.S1.4
	<b>C4-ECV02</b>		
SIG-S1-KD-008	Complete installation and testing of Communication Network backbone for Corridor 4 -ECV 02 Section	590	Total of cost centres B.S1.2.2, B.S1.2.3, B.S1.3.4, B.S1.3.5
SIG-S1-KD-009	Complete installation and static testing of the Signalling system (excluding part for Poonamallee Depot operation) for Corridor 4 ECV 02	680	Total of cost centres B.S1.2.1, B.S1.2.2, B.S1.2.5 To 2.11, B.S1.3.1, B.S1.3.2, B.S1.3.3, B.S1.3.5, B.S1.3.7
SIG-S1-KD-010	Complete System Acceptance Test and Integrated Testing of the Signalling system (including part for Poonamallee Depot operation) for Corridor 4 ECV 02	940	B.S1.4
	<b>C4-ECV01</b>		

<b>Key Date Ref.</b>	<b>Description</b>	<b>Calendar days from Commencement date</b>	<b>Associated Price Centres for purposes of Liquidated Damages</b>
SIG-S1-KD-011	Complete installation and testing of Communication Network backbone for Corridor 4 -ECV 01 Section and make it available to Interfacing Contractors for various systems testing together with OCC and associated equipment in Administration Building	640	Total of cost centres B.S1.2.2, B.S1.2.3, B.S1.3.4, B.S1.3.5
SIG-S1-KD-012	Complete installation and static testing (including interface testing with OCC) of the Signalling system (excluding part for Poonamalle Depot operation) for Corridor 4 ECV 01	730	Total of cost centres B.S1.2.1, B.S1.2.2, B.S1.2.5 To 2.11, B.S1.3.1, B.S1.3.2, B.S1.3.3, B.S1.3.5, B.S1.3.7
SIG-S1-KD-013	Complete System Acceptance Test and Integrated Testing of the Signalling system (including part for Poonamalle Depot operation) for Corridor 4 ECV 01	940	B.S1.4
SIG-S1-KD-014	Issue of Completion Certificate including safety case (Including conditions for O&M) for Stage 1 Revenue Service	970	B.S1.4
SIG-S1-KD-015	CMRL -ISA Assessment for CMRS	1000	B.S1.4
SIG-S1-KD-016	Achieve Operational Acceptance for Stage 1 Revenue Service	1510	B.S1.4
	<b>Stage 2 Revenue Service</b>		
	<b>Wayside Equipment</b>		
SIG-S2-KD-001	Complete Final Detailed Design Submission for the Stage 2 in accordance with Specification	750	C.S2.1
	<b>C5-ECV 02</b>		
SIG-S2-KD-002	Complete installation and testing of Communication Network backbone for Corridor 5 -ECV 02 Section and make it available to Interfacing Contractors for various systems testing together with OCC and associated equipment in Administration Building	930	Corresponding detailed cost centres of Stage 2, on the same pattern as in Stage 1 above
SIG-S2-KD-003	Complete installation and static testing (including interface testing with OCC) of the Signalling system (excluding part for Poonamalle Depot operation) for Corridor 5 ECV 02	1020	Corresponding detailed cost centres of Stage 2, on the same pattern as in Stage 1 above
SIG-S2-KD-004	Complete System Acceptance Test and Integrated Testing of the Signalling system (including part for Poonamalle Depot operation) for Corridor 5 ECV 02	1200	Corresponding detailed cost centres of Stage 2, on the same pattern as in Stage 1 above
	<b>C5-ECV 03</b>		
SIG-S2-KD-005	Complete installation and testing of Communication Network backbone for Corridor 5 -ECV 03 Section	940	Corresponding detailed cost centres of Stage 2, on the same pattern as in Stage 1 above
SIG-S2-KD-006	Complete installation and static testing of the Signalling system (excluding part for Poonamalle Depot operation) for Corridor 5 ECV 03	1030	Corresponding detailed cost centres of Stage 2, on the same pattern as in Stage 1 above
SIG-S2-KD-007	Complete System Acceptance Test and Integrated Testing of the Signalling system (including part for Poonamalle Depot operation) for Corridor 5 ECV 03	1200	Corresponding detailed cost centres of Stage 2, on the same pattern as in Stage 1 above
SIG-S2-KD-008	Issue of Completion Certificate including safety case (Including conditions for O&M) for Stage 2 Revenue Service	1230	Corresponding detailed cost centres of Stage 2, on the same pattern as in Stage 1 above
SIG-S2-KD-009	CMRL - ISA Assessment for CMRS	1260	Corresponding detailed cost centres of Stage 2,

Key Date Ref.	Description	Calendar days from Commencement date	Associated Price Centres for purposes of Liquidated Damages
			on the same pattern as in Stage 1 above
SIG-S2-KD-010	Achieve Operational Acceptance for Stage 2 Revenue Service	1770	Corresponding detailed cost centres of Stage 2, on the same pattern as in Stage 1 above
	<b>Stage 3 Revenue Service</b>		
	<b>Wayside Equipment</b>		
SIG-S3-KD-001	Complete Final Detailed Design Submission for the Stage 3 in accordance with Specification	850	Sum of D1.S3A.1, D2.S3B.1
	<b>C3-ECV01</b>		
SIG-S3-KD-002	Complete installation and testing of Communication Network backbone for Corridor 3 -ECV 01 Section	1240	Corresponding detailed cost centres of Stage 3B, on the same pattern as in Stage 1 above
SIG-S3-KD-003	Complete installation and static testing of the Signalling system (excluding part for Poonamalle Depot operation) for Corridor 3 ECV 01	1330	Corresponding detailed cost centres of Stage 3B, on the same pattern as in Stage 1 above
SIG-S3-KD-004	Complete System Acceptance Test and Integrated Testing of the Signalling system (including part for Poonamalle Depot operation) for Corridor 3 ECV 01	1420	Corresponding detailed cost centres of Stage 3B, on the same pattern as in Stage 1 above
	<b>CP08-EV01</b>		
SIG-S3-KD-005	Complete installation and testing of Communication Network backbone for Corridor 3 -EV 01 Section and make it available to Interfacing Contractors for various systems testing together with OCC and associated equipment in Administration Building	1150	Corresponding detailed cost centres of Stage 3A, on the same pattern as in Stage 1 above
SIG-S3-KD-006	Complete installation and static testing (including interface testing with OCC) of the Signalling system (excluding part for Poonamalle Depot operation) for Corridor 3 EV 01	1240	Corresponding detailed cost centres of Stage 3A, on the same pattern as in Stage 1 above
SIG-S3-KD-007	Complete System Acceptance Test and Integrated Testing of the Signalling system (including part for Poonamalle Depot operation) for Corridor 3 EV 01	1420	Corresponding detailed cost centres of Stage 3A, on the same pattern as in Stage 1 above
SIG-S3-KD-008	Issue of Completion Certificate including safety case (Including conditions for O&M) for Stage 3 Revenue Service	1450	Corresponding detailed cost centres of Stage 3A, on the same pattern as in Stage 1 above
SIG-S3-KD-009	CMRL -ISA Assessment for CMRS	1480	Corresponding detailed cost centres of Stage 3A, on the same pattern as in Stage 1 above
SIG-S3-KD-010	Achieve Operational Acceptance for Stage 3 Revenue Service	1990	Corresponding detailed cost centres of Stage 3A, on the same pattern as in Stage 1 above

Key Date Ref.	Description	Calendar days from Commencement date	Associated Price Centres for purposes of Liquidated Damages
	<b>Stage 4A Revenue Service</b>		
	<b>Wayside Equipment</b>		
SIG-S4a-KD-001	Complete Final Detailed Design Submission for the Stage 4A in accordance with Specification	940	E1.S4A.1
	<b>C4-UG02</b>		
SIG-S4a-KD-002	Complete installation and testing of Communication Network backbone for Corridor 4 -UG 02 Section and make it available to Interfacing Contractors for various systems testing together with OCC and associated equipment in Administration Building	1120	Corresponding detailed cost centres of Stage 4A, on the same pattern as in Stage 1 above
SIG-S4a-KD-003	Complete installation and static testing (including interface testing with OCC) of the Signalling system (excluding part for Madhavaram Depot operation) for Corridor 4 UG 02	1210	Corresponding detailed cost centres of Stage 4A, on the same pattern as in Stage 1 above
SIG-S4a-KD-004	Complete System Acceptance Test and Integrated Testing of the Signalling system (including part for Madhavaram Depot operation) for Corridor 4 UG 02	1390	Corresponding detailed cost centres of Stage 4A, on the same pattern as in Stage 1 above
SIG-S4a-KD-005	Issue of Completion Certificate including safety case (Including conditions for O&M) for Stage 4a Revenue Service	1420	Corresponding detailed cost centres of Stage 4A, on the same pattern as in Stage 1 above
SIG-S4a-KD-006	CMRL -ISA Assessment for CMRS	1450	Corresponding detailed cost centres of Stage 4A, on the same pattern as in Stage 1 above
SIG-S4a-KD-007	Achieve Operational Acceptance for Stage 4A Revenue Service	1960	Corresponding detailed cost centres of Stage 4A, on the same pattern as in Stage 1 above
	<b>Stage 4B Revenue Service</b>		
	<b>Wayside Equipment</b>		
SIG-S4b-KD-001	Complete Final Detailed Design Submission for the Stage 4B in accordance with Specification	720	E2.S4B.1
	<b>Madhavaram Depot</b>		
SIG-S4b-KD-002	Complete installation and testing of Signalling equipment on Zone 1&2 - workshop building its approaches, shunting neck 01 and Test track including train delivery area in Madhavaram Depot	900	Corresponding detailed cost centres of Stage 4B, on the same pattern as in Stage 1 above
SIG-S4b-KD-003	Complete installation and testing of Signalling equipment on Zone 3&4 - second half of stabling line + connection to mainline in Madhavaram Depot	990	Corresponding detailed cost centres of Stage 4B, on the same pattern as in Stage 1 above



<b>Key Date Ref.</b>	<b>Description</b>	<b>Calendar days from Commencement date</b>	<b>Associated Price Centres for purposes of Liquidated Damages</b>
SIG-S4b-KD-004	Complete SAT of entire Signalling system in Test Track and interlocking system for Zone 1 & 2 of depot ,with safety case	930	Corresponding detailed cost centres of Stage 4B, on the same pattern as in Stage 1 above
SIG-S4b-KD-005	Complete SAT of entire Signalling system in Test Track and interlocking system for Zone 3 & 4 of depot ,with safety case	1050	Corresponding detailed cost centres of Stage 4B, on the same pattern as in Stage 1 above
	<b>CP10-EV03</b>		
SIG-S4b-KD-006	Complete installation and testing of Communication Network backbone for Corridor 5 -EV 03 Section	1090	Corresponding detailed cost centres of Stage 4B, on the same pattern as in Stage 1 above
SIG-S4b-KD-007	Complete installation and static testing of the Signalling system (excluding part for Madhavaram Depot operation) for Corridor 5 EV 03	1180	Corresponding detailed cost centres of Stage 4B, on the same pattern as in Stage 1 above
SIG-S4b-KD-008	Complete System Acceptance Test and Integrated Testing of the Signalling system (including part for Madhavaram Depot operation) for Corridor 5 EV 03	1700	Corresponding detailed cost centres of Stage 4B, on the same pattern as in Stage 1 above
	<b>CP06-UG06</b>		
SIG-S4b-KD-009	Complete installation and testing of Communication Network backbone for Corridor 5 -UG 06 Section and make it available to Interfacing Contractors for various systems testing together with OCC and associated equipment in Administration Building	1430	Corresponding detailed cost centres of Stage 4B, on the same pattern as in Stage 1 above
SIG-S4b-KD-010	Complete installation and static testing (including interface testing with OCC) of the Signalling system (excluding part for Madhavaram Depot operation) for Corridor 5 UG 06	1520	Corresponding detailed cost centres of Stage 4B, on the same pattern as in Stage 1 above
SIG-S4b-KD-011	Complete System Acceptance Test and Integrated Testing of the Signalling system (including part for Madhavaram Depot operation) for Corridor 5 UG 06	1700	Corresponding detailed cost centres of Stage 4B, on the same pattern as in Stage 1 above
SIG-S4b-KD-012	Issue of Completion Certificate including safety case (Including conditions for O&M) for Stage 4b Revenue Service	1730	Corresponding detailed cost centres of Stage 4B, on the same pattern as in Stage 1 above
SIG-S4b-KD-013	CMRL -ISA Assessment for CMRS	1760	Corresponding detailed cost centres of Stage 4B, on the same pattern as in Stage 1 above
SIG-S4b-KD-014	Achieve Operational Acceptance for Stage 4B Revenue Service	2050	Corresponding detailed cost centres of Stage 4B, on the same pattern as in Stage 1 above
	<b>Stage 5 Revenue Service</b>		

Key Date Ref.	Description	Calendar days from Commencement date	Associated Price Centres for purposes of Liquidated Damages
	<b>Wayside Equipment</b>		
SIG-S5-KD-001	Complete Final Detailed Design Submission for the Stage 5 in accordance with Specification	990	Total of Price Centre F.S5.1
	<b>CP01-UG01</b>		Corresponding detailed cost centres of Stage 5, on the same pattern as in Stage 1 above
SIG-S5-KD-002	Complete installation and testing of Communication Network backbone for Corridor 3-UG 01 Section	1170	Corresponding detailed cost centres of Stage 5, on the same pattern as in Stage 1 above
SIG-S5-KD-003	Complete installation and static testing of the Signalling system (excluding part for Madhavaram Depot operation) for Corridor 3 UG 01	1260	Corresponding detailed cost centres of Stage5, on the same pattern as in Stage 1 above
SIG-S5-KD-004	Complete System Acceptance Test and Integrated Testing of the Signalling system (including part for Madhavaram Depot operation) for Corridor 3 UG 01	1500	Corresponding detailed cost centres of Stage 5, on the same pattern as in Stage 1 above
	<b>CP02-UG02</b>		
SIG-S5-KD-005	Complete installation and testing of Communication Network backbone for Corridor 3 -UG 02 Section and make it available to Interfacing Contractors for various systems	1230	Corresponding detailed cost centres of Stage5, on the same pattern as in Stage 1 above
SIG-S5-KD-006	Complete installation and static testing (including interface testing with OCC) of the Signalling system (excluding part for Madhavaram Depot operation) for Corridor 3 UG 02	1320	Corresponding detailed cost centres of Stage5, on the same pattern as in Stage 1 above
SIG-S5-KD-007	Complete System Acceptance Test and Integrated Testing of the Signalling system (including part for Madhavaram Depot operation) for Corridor 3 UG 02	1500	Corresponding detailed cost centres of Stage5, on the same pattern as in Stage 1 above
SIG-S5-KD-008	Issue of Completion Certificate including safety case (Including conditions for O&M) for Stage 5 Revenue Service	1530	Corresponding detailed cost centres of Stage5, on the same pattern as in Stage 1 above
SIG-S5-KD-009	CMRL -ISA Assessment for CMRS	1560	Corresponding detailed cost centres of Stage5, on the same pattern as in Stage 1 above
SIG-S5-KD-010	Achieve Operational Acceptance for Stage 5 Revenue Service	2070	Corresponding detailed cost centres of Stage5, on the same pattern as in Stage 1 above
	<b>Stage 6 Revenue Service</b>		
	<b>Wayside Equipment</b>		
SIG-S6-KD-001	Complete Final Detailed Design Submission for the Stage 6 in accordance with Specification	1210	Total of Price Centre G.S6.1
	<b>CP03-UG03</b>		
SIG-S6-KD-002	Complete installation and testing of Communication Network backbone for Corridor 3-UG 03 Section and make it available to Interfacing Contractors for various systems	1390	Corresponding detailed cost centres of Stage 6, on the same pattern as in Stage 1 above

<b>Key Date Ref.</b>	<b>Description</b>	<b>Calendar days from Commencement date</b>	<b>Associated Price Centres for purposes of Liquidated Damages</b>
SIG-S6-KD-003	Complete installation and static testing of the Signalling system (excluding part for Madhavaram Depot operation) for Corridor 3 UG 03	1480	Corresponding detailed cost centres of Stage 6, on the same pattern as in Stage 1 above
SIG-S6-KD-004	Complete System Acceptance Test and Integrated Testing the Signalling system (including part for Madhavaram Depot operation) for Corridor 3 UG 03	1660	Corresponding detailed cost centres of Stage 6, on the same pattern as in Stage 1 above
SIG-S6-KD-005	Issue of Completion Certificate including safety case (Including conditions for O&M) for Stage 6 Revenue Service	1690	Corresponding detailed cost centres of Stage 6, on the same pattern as in Stage 1 above
SIG-S6-KD-006	CMRL-ISA Assessment for CMRS	1720	Corresponding detailed cost centres of Stage 6, on the same pattern as in Stage 1 above
SIG-S6-KD-007	Achieve Operational Acceptance for Stage 6 Revenue Service	2230	Corresponding detailed cost centres of Stage 6, on the same pattern as in Stage 1 above
	<b>Stage 7 Revenue Service</b>		
	<b>Wayside Equipment</b>		
SIG-S7-KD-001	Complete Final Detailed Design Submission for the Stage 7 in accordance with Specification	1090	Total of Price Centre H1.S7A.1 and H2.S7B.1
	<b>CP04-UG04</b>		
SIG-S7-KD-002	Complete installation and testing of Communication Network backbone for Corridor 3-UG 04 Section	1390	Corresponding detailed cost centres of Stage 7A, on the same pattern as in Stage 1 above
SIG-S7-KD-003	Complete installation and static testing of the Signalling system (excluding part for Madhavaram Depot operation) for Corridor 3 - UG 04	1480	Corresponding detailed cost centres of Stage 7A, on the same pattern as in Stage 1 above
SIG-S7-KD-004	Complete System Acceptance Test and Integrated Testing of the Signalling system (including part for Madhavaram Depot operation) for Corridor 3 - UG 04	1660	Corresponding detailed cost centres of Stage 7A, on the same pattern as in Stage 1 above
	<b>CP05-UG05</b>		
SIG-S7-KD-005	Complete installation and testing of Communication Network backbone for Corridor 3 -UG 05 Section and make it available to Interfacing Contractors for various systems	1380	Corresponding detailed cost centres of Stage 7A, on the same pattern as in Stage 1 above
SIG-S7-KD-006	Complete installation and static testing (including interface testing with OCC) of the Signalling system (excluding part for Madhavaram Depot operation) for Corridor 3 UG 05	1470	Corresponding detailed cost centres of Stage 7A, on the same pattern as in Stage 1 above
SIG-S7-KD-007	Complete System Acceptance Test and Integrated Testing of the Signalling system (including part for Madhavaram Depot operation) for Corridor 3 UG 05	1660	Corresponding detailed cost centres of Stage 7A, on the same pattern as in Stage 1 above

<b>Key Date Ref.</b>	<b>Description</b>	<b>Calendar days from Commencement date</b>	<b>Associated Price Centres for purposes of Liquidated Damages</b>
	<b>C4-UG01</b>		
SIG-S7-KD-008	Complete installation and testing of Communication Network backbone for Corridor 4 -UG 01 Section and make it available to Interfacing Contractors for various systems testing together with OCC and associated equipment in Administration Building	1270	Corresponding detailed cost centres of Stage 7B, on the same pattern as in Stage 1 above
SIG-S7-KD-009	Complete installation and static testing (including interface testing with OCC) of the Signalling system (excluding part for Poonamallee Depot operation) for Corridor 4 UG 01	1360	Corresponding detailed cost centres of Stage 7B, on the same pattern as in Stage 1 above
SIG-S7-KD-010	Complete System Acceptance Test and Integrated Testing of the Signalling system (including part for Poonamallee Depot operation) for Corridor 4 UG 01	1660	Corresponding detailed cost centres of Stage 7B, on the same pattern as in Stage 1 above
SIG-S7-KD-011	Issue of Completion Certificate including safety case (Including conditions for O&M) for Stage 7 Revenue Service	1690	Corresponding detailed cost centres of Stage 7B, on the same pattern as in Stage 1 above
SIG-S7-KD-012	CMRL -ISA Assessment for CMRS	1720	Corresponding detailed cost centres of Stage 7B, on the same pattern as in Stage 1 above
SIG-S7-KD-013	Achieve Operational Acceptance for Stage 7 Revenue Service	2230	Corresponding detailed cost centres of Stage 7B, on the same pattern as in Stage 1 above

<b>Key Date Ref.</b>	<b>Description</b>	<b>Calendar days from commencement</b>
SIG-OMV-KD-001	Complete preliminary definition of mechanical and electrical interface between Signalling train borne equipment and OMV	180.00
SIG-OMV-KD-002	Complete Final Detailed Design Submission for the OMV in accordance with Specification	260.00
SIG-OMV-KD-003	Complete delivery of the Signalling train borne on board equipment for OMV 1 (Corridor 4) to the Contractor's car building factory for installation	490.00
SIG-OMV-KD-004	Complete joint installation and testing of Signalling train borne equipment for the OMV 1 at the car builders' factory	550.00

<b>Key Date Ref.</b>	<b>Description</b>	<b>Calendar days from commencement</b>
SIG-OMV-KD-005	Complete Static & Dynamic (integration)testing for OMV 1 in the Depot & Main line	820.00
SIG-OMV-KD-006	Complete delivery of the Signalling train borne on board equipment for OMV 2 (Corridor 5) to the Contractor's car building factory for installation	770.00
SIG-OMV-KD-007	Complete joint installation and testing of Signalling train borne equipment for the OMV 2 at the car builders' factory	830.00
SIG-OMV-KD-008	Complete Static & Dynamic (integration)testing for OMV 2 in the Depot & Main line	1100.00
SIG-OMV-KD-009	Complete delivery of the Signalling train borne on board equipment for OMV 3 (Corridor 3) to the Contractor's car building factory for installation	770.00
SIG-OMV-KD-010	Complete joint installation and testing of Signalling train borne equipment for the OMV 3 at the car builders' factory	830.00
SIG-OMV-KD-011	Complete Static & Dynamic (integration)testing for OMV 3 in the Depot & Main line	1220.00

**Table 2: Site Access Dates**

Access Date Ref.	Access Date Description	Access Days from Commencement date	Provision of Earthing, UPS & Air con in the Signaling equipment room & Station Control room
Poonamallee Depot			
SIG-S1-AD-001	Access Date to Signaling Contractor in Poonamallee Depot at <b>Test Track and Stabling Lines</b>	550	
SIG-S1-AD-002	Access Date to Signaling Contractor in Poonamallee Depot at <b>Inspection Bay Lines, Repair Bay Lines and Depot Open Area</b>	640	
SIG-S1-AD-003	Access Date to Signaling Contractor for <b>Signaling Rooms at Poonamallee Depot</b>	610	660
Corridor 4 – ECV 02			
SIG-S1-AD-004	Access Date to Signaling Contractor for Viaduct section from <b>Porur Bypass Crossing to Katupakkam</b> at Corridor 4 ECV 02	430	
SIG-S1-AD-005	Access Date to Signaling Contractor for Viaduct section from <b>Katupakkam to Poonamallee Bypass including Poonamallee Depot Approach line</b> at Corridor 4 ECV 02	570	
SIG-S1-AD-006	Access Date to Signaling Contractor for Station rooms at <b>Any 2 stations</b> of Corridor 4 ECV02	200	
SIG-S1-AD-007	Access Date to Signaling Contractor for Station rooms at <b>All stations</b> of Corridor 4 ECV 02	260	620
Corridor 4 – ECV 01			
SIG-S1-AD-008	Access Date to Signaling Contractor for Viaduct section from <b>Power House to Saligramam</b> at Corridor 4 ECV 01	430	
SIG-S1-AD-009	Access Date to Signaling Contractor for Viaduct section from <b>Saligramam to Porur Bypass Crossing</b> at Corridor 4 ECV 01	620	
SIG-S1-AD-010	Access Date to Signaling Contractor for Station rooms at <b>Any 3 stations</b> of Corridor 4 ECV 01	220	
SIG-S1-AD-011	Access Date to Signaling Contractor for Station rooms at <b>All stations</b> of Corridor 4 ECV 01	280	670
OCC at Koyambedu & BCC at Nandhanam			
SIG-S1-AD-012	Access dates for theatre and all equipment rooms, complete with all MEP works & all architectural finishes in OCC at Koyambedu and BCC at Nandhanam	580	720
Corridor 5 – ECV 02			

Access Date Ref.	Access Date Description	Access Days from Commencement date	Provision of Earthing, UPS & Air con in the Signaling equipment room & Station Control room
SIG-S2-AD-001	Access Date to Signaling Contractor for 6Km of Viaduct section at Corridor 5 ECV 02	710	
SIG-S2-AD-002	Access Date to Signaling Contractor for 100% Viaduct section at Corridor 5 ECV 02	900	
SIG-S2-AD-003	Access Date to Signaling Contractor for Station rooms at <b>Any 6 stations</b> of Corridor 5 ECV 02	720	
SIG-S2-AD-004	Access Date to Signaling Contractor for Station rooms at <b>All stations</b> of Corridor 5 ECV 02	770	960
Corridor 5 – ECV 03			
SIG-S2-AD-005	Access Date to Signaling Contractor for 6Km Viaduct section at Corridor 5 ECV 03	720	
SIG-S2-AD-006	Access Date to Signaling Contractor for 100% Viaduct section at Corridor 5 ECV 03	910	
SIG-S2-AD-007	Access Date to Signaling Contractor for Station rooms at <b>Any 5 stations</b> Corridor 5 ECV 03	710	
SIG-S2-AD-008	Access Date to Signaling Contractor for Station rooms at <b>All stations</b> Corridor 5 ECV 03	760	960
Corridor 3 – ECV 01			
SIG-S3-AD-001	Access Date to Signaling Contractor for Viaduct section from <b>Sholinganallur to Semmancheri</b> (6 km stretch) at Corridor 3 ECV 01	900	
SIG-S3-AD-002	Access Date to Signaling Contractor for Viaduct section from <b>Semmancheri to Sipcot 2</b> (100% viaduct) at Corridor 3 ECV 01	1010	
SIG-S3-AD-003	Access Date to Signaling Contractor for Station rooms at <b>Any 5 stations</b> of Corridor 3 ECV 01	1110	
SIG-S3-AD-004	Access Date to Signaling Contractor for Station rooms at <b>All stations</b> of Corridor 3 ECV 01	1170	1300
Corridor 3 – EV 01			
SIG-S3-AD-005	Access Date to Signaling Contractor for Viaduct section from <b>Taramani Ramp to Karapakkam Station</b> (6 km stretch) at Corridor 3 EV 01	980	
SIG-S3-AD-006	Access Date to Signaling Contractor for Viaduct section from <b>Karapakkam station to</b>	1120	

Access Date Ref.	Access Date Description	Access Days from Commencement date	Provision of Earthing, UPS & Air con in the Signaling equipment room & Station Control room
	<b>Sholinganalur station</b> (100% viaduct) at Corridor 3 EV 01		
SIG-S3-AD-007	Access Date to Signaling Contractor for Station rooms at <b>Any 2 stations</b> of Corridor 3 EV 01	860	
SIG-S3-AD-008	Access Date to Signaling Contractor for Station rooms at <b>All stations</b> of Corridor 3 EV 01	950	1180
Corridor 4 – UG 02			
SIG-S4a-AD-001	Access Date for Tunnel Section at Corridor 4 UG 02 to Signaling Contractor	1100	
SIG-S4a-AD-002	Access Date for Station rooms at <b>Any 2 stations</b> at Corridor 4 UG 02 to Signaling Contractor	890	
SIG-S4a-AD-003	Access Date for Station rooms at <b>All Stations</b> at Corridor 4 UG 02 to Signaling Contractor	930	1160
Corridor 5 - Madhavaram Depot			
SIG-S4b-AD-001	Access Date for <b>Signaling rooms at Madhavaram Depot</b> to Signaling Contractor	700	840
SIG-S4b-AD-002	Access Date to Signaling Contractor for Priority Areas – <b>Zone 1</b> (Workshop building its approaches, shunting neck 01 and Test track including train delivery area) and <b>Zone 2</b> (Inspection building its approaches, ETU, PWL and its approaches)	780	
SIG-S4b-AD-003	Access Date to Signaling Contractor for Non-Priority Areas – <b>Zone 3</b> (Half of stabling line and its approaches and coach wash) and <b>Zone 4</b> (Second half of stabling line and connection to mainline)	870	
Corridor 5 – EV 03			
SIG-S4b-AD-004	Access Date to Signaling Contractor for Viaduct section - <b>Assisi Nagar to Retteri station &amp; CMBT to Thirumangalam station</b> at Corridor 5 – EV 03	880	
SIG-S4b-AD-005	Access Date to Signaling Contractor for Viaduct section – <b>Retteri Station to Ramp, Thirumangalam to Nathamuni &amp; Venugopal Nagar to Assisi Nagar</b> at Corridor 5 – EV 03	1060	
SIG-S4b-AD-006	Access Date for Station rooms at <b>Any 3 stations</b> at Corridor 5 EV 03 to Signaling Contractor	800	



Access Date Ref.	Access Date Description	Access Days from Commencement date	Provision of Earthing, UPS & Air con in the Signaling equipment room & Station Control room
SIG-S4b-AD-007	Access Date for Station rooms at <b>All stations</b> at Corridor 5 EV 03 to Signaling Contractor	860	1090
Corridor 5 -UG 06			
SIG-S4b-AD-008	Access Date for Tunnel Section from <b>Villivakkam Metro to Nathamuni</b> - Corridor 5 UG 06 to Signaling Contractor	1140	
SIG-S4b-AD-009	Access Date for Tunnel Section from <b>Kolathur Junction (including ramp) to Villivakkam Metro</b> - Corridor 5 UG 06 to Signaling Contractor	1300	
SIG-S4b-AD-010	Access Date for Station rooms at <b>Any 1 station</b> at Corridor 5 UG 06 to Signaling Contractor	1240	
SIG-S4b-AD-011	Access Date for Station rooms at <b>All stations</b> at Corridor 5 UG 06 to Signaling Contractor	1410	1440
Corridor 3 – UG 01			
SIG-S5-AD-001	Access Date for Tunnel Section from <b>Venugopal Nagar to Sembiam</b> at Corridor 3 UG 01 to Signaling Contractor	1130	
SIG-S5-AD-002	Access Date for Station rooms at <b>Any 1 stations</b> - Corridor 3 UG 01 to Signaling Contractor	940	
SIG-S5-AD-003	Access Date for Station rooms at <b>All Stations</b> - Corridor 3 UG 01 to Signaling Contractor	1140	1200
Corridor 3 – UG 02			
SIG-S5-AD-004	Access Date for Tunnel Section from <b>Sembiam to Purasaiwakkam High Road</b> at Corridor 3 UG 02 to Signaling Contractor	1200	
SIG-S5-AD-005	Access Date for Station rooms at <b>Any 1 stations</b> - Corridor 3 UG 02 to Signaling Contractor	1020	
SIG-S5-AD-006	Access Date for Station rooms at <b>All Stations</b> - Corridor 3 UG 02 to Signaling Contractor	1200	1260
Corridor 3 -UG 03			

Access Date Ref.	Access Date Description	Access Days from Commencement date	Provision of Earthing, UPS & Air con in the Signaling equipment room & Station Control room
SIG-S6-AD-001	Access Date for Tunnel Section from <b>Purasaiwakkam High Road to Royapettah Govt. Hospital</b> at Corridor 3 UG 03 to Signaling Contractor	1360	
SIG-S6-AD-002	Access Date for Station rooms at <b>Any 1 stations</b> - Corridor 3 UG 03 to Signaling Contractor	1090	
SIG-S6-AD-003	Access Date for Station rooms at <b>All Stations</b> - Corridor 3 UG 03 to Signaling Contractor	1320	1420
Corridor 3 -UG 04			
SIG-S7-AD-001	Access Date for Tunnel Section from <b>Royapettah Govt.Hospital to Greenways</b> at Corridor 3 UG 04 to Signaling Contractor	1370	
SIG-S7-AD-002	Access Date for Station rooms at <b>Any 1 Stations</b> - Corridor 3 UG 04 to Signaling Contractor	1060	
SIG-S7-AD-003	Access Date for Station rooms at <b>All stations</b> - Corridor 3 UG 04 to Signaling Contractor	1370	1420
Corridor 3 - UG 05			
SIG-S7-AD-004	Access Date for Tunnel Section from <b>Taramani to Indira Nagar</b> at Corridor 3 UG 05 to Signaling Contractor	1350	
SIG-S7-AD-005	Access Date for Tunnel Section from <b>Greenways to Indira Nagar</b> at Corridor 3 UG 05 to Signaling Contractor	1350	
SIG-S7-AD-006	Access Date for Station rooms at <b>Any 1 stations</b> - Corridor 3 UG 05 to Signaling Contractor	1040	
SIG-S7-AD-007	Access Date for Station rooms at <b>All stations</b> - Corridor 3 UG 05 to Signaling Contractor	1350	1410
Corridor 4 - UG 01			
SIG-S7-AD-008	Access Date for Tunnel Section from <b>Light House to Thirumayilai Metro</b> (excl. Thirumayilai station) at Corridor 4 UG 01 to Signaling Contractor	1040	
SIG-S7-AD-009	Access Date for Tunnel Section from <b>Boat Club House to Thirumayilai Metro</b> at Corridor 4 UG 01 to Signaling Contractor	1250	
SIG-S7-AD-010	Access Date for Station rooms at <b>Any 3 Stations</b> - Corridor 4 UG 01 to Signaling Contractor	880	
SIG-S7-AD-011	Access Date for Station rooms at <b>All stations</b> - Corridor 4 UG 01 to Signaling Contractor	930	1300

**Degree 3 Finishes Details:**

- Complete Wall Plastering and painting
  - Complete raised floor, and false flooring except for locations where panels have to be installed after completion of works by the Interfacing contractor
  - Complete internal glazing
  - Permanent doors and ironmongery installed
  - Plumbing and Sanitary fittings complete and ready for testing
  - Degree 3 (D-3) finish includes Cable tray connectivity from Viaduct/Tunnel side to the Equipment rooms as also cable tray connectivity between rooms in various levels (concourse/platform/street levels) and between public areas in these levels, as applicable.
  - Access date to the Viaduct & Tunnel sections to include Access to all S&TC Cable trays , finished track complete with welding and hand over of all turn-outs (as per mutually agreed acceptance criteria)
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