

Annexure – 2 of Addendum no. 1**EMPLOYER'S REQUIREMENTS APPENDIX 2B/R****CONTRACT KEY DATES AND COMPLETION DATE**

The Contractor shall prepare and submit his detailed Programme of Work so as to achieve key dates of various activities on time. The Contractor shall complete the work in a phased manner by fixing priorities to different stretches of work to give access to the other interfacing contractors as per the requirement of project from time to time and as per the key dates (mile stones) indicated below:

Key Dates for structural work of complete viaduct and viaduct in station portion

Key Dates	Time to achieve (in weeks from date of commencement)	Description of Stage	Liquidated Damages for non-achieving the key dates
KD-1	4	Submission of construction programme	0.01% of value of elevated section per week of delay or part thereof.
KD-2	12	Establishing contractor's site project office & Engineer's office, Commissioning of 1st Batching Plant (production of 1st batch of concrete)	0.01% of value of elevated section per week of delay or part thereof.
KD-3	14	Completion of road widening, Erection of Barricades, dismantling of streetlight from median and erection of the temporary streetlight along the barricades for a length of 1.5 Km (including station portion) to start the piling work	0.01% of value of elevated section per week of delay or part thereof.
KD-4	16	Completion of 1st Formwork of production line for precast Box-Girder element for Engineer's approval	0.01% of value of elevated section per week of delay or part thereof.
KD-5	16	Casting of 1st working pile	0.01% of value of elevated section per week of delay or part thereof.
KD-6	18	Commissioning of 2nd Batching Plant	0.01% of value of elevated section per week of delay or part thereof.
KD-7	18	Casting of 1st Viaduct Pier cap	0.01% of value of elevated section per week of delay or part thereof.
KD-8	19	Casting of 1st Box-Girder	0.01% of value of elevated section per week of delay or part thereof.

KD-9	30	Erection of 1st Span of Box-Girder	0.01% of value of elevated section per week of delay or part thereof.
KD-10	80	Partial Access of the Viaduct including in station area (minimum 1.5 Km in one stretch) to Track contractor for laying track	0.01% of value of elevated section per week of delay or part thereof.
KD-11	95	Partial Access of the Viaduct including in stations area for next 1.5 Km (minimum) in one stretch to Track contractor for laying track	0.01% of value of elevated section per week of delay or part thereof.
KD-12	115	Completion of casting of Box/I Girder	0.01% of value of elevated section per week of delay or part thereof.
KD-13	120	Completion of erection of Box/I Girder including casting of deck slab & erection of Precast parapet	0.01% of value of elevated section per week of delay or part thereof.
KD-14	130	Full Access of the Viaduct including G.I. Hangers for laying of track and cables	0.01% of value of elevated section per week of delay or part thereof.
KD-15	143	Completion of entire works as per the Contract.	0.01% of value of elevated section per week of delay or part thereof.

Key Dates for structural and Architectural finishing works of 4 nos. Elevated Stations

Key Dates	Time to achieve (in weeks from date of commencement)	Description of Stage	Liquidated Damages for non-achieving the key dates
KD-1	16	Casting of 1st working pile	0.01% of value of elevated section per week of delay or part thereof.
KD-2	18	Completion of 1st Formwork for precast elements i.e. Cross arm, Girder for Engineer's approval	
KD-3		Completion of concourse slab	
KD-3.1	65	For two stations	0.01% of value of elevated section per week of delay or part thereof.
KD-3.2	85	For remaining two stations	
KD-4		Completion of platform level slab	
KD-4.1	80	For two stations	0.01% of value of elevated section per week of delay or part thereof.
KD-4.2	100	For remaining two stations	
KD-5	80	Start of PEB works and Architecture finishing work	0.01% of value of elevated section per week of delay or

			part thereof.
KD-5		Completion of Entry/Exit structure along with UG tank and pump room	
KD-6.1	100	For two stations	0.01% of value of elevated section per week of delay or part thereof.
KD-6.2	120	For remaining two stations	
KD-7	115	Partial completion of Architectural finishing works of system rooms and completion of PEB works for E&M and System works	0.01% of value of elevated section per week of delay or part thereof.
KD-8		Completion of Architecture finishing works of station and entry/exits and PEB structure	
KD-8.1	125	For two stations	0.01% of value of elevated section per week of delay or part thereof.
KD-8.2	135	for remaining two stations	
KD-9	143	Completion of Entire work as per the contract	0.01% of value of elevated section per week of delay or part thereof.

Key Dates for structure works of Sabarmati River Bridge

Key Dates	Time to achieve (in weeks from date of commencement)	Description of Stage	Liquidated Damages for non-achieving the key dates
KD-1	24	Casting of 1st working pile	0.01% of value of elevated section per week of delay or part thereof.
KD-2	55	Erection of 1st Span of Box-Girder	
KD-3	93	Completion of Sabarmati bridge and handing over for track work	
KD-4	118	Completion of Entire work as per the contract	

Note:

- 1) The requirement finalised with system contractor / finishing contractor duly signed by them shall be submitted to Engineer at least two months before the respective key dates.
- 2) The LD levied for not achieving the intermediate Key Dates are refundable if the work as a whole is completed within last key date (i.e. KD-15 for viaduct and KD-9 for stations and KD-4 for Sabarmati Bridge).
- 3) The above key dates are applicable to the work as a whole and for individual station also.

- 4) The date of commencement is date of issue of LoA.