



Bridges Department

Schedule of Rates : 2020-21

S.No	SOR Code	SOR Description	Unit Of Measu	Rate(Rs.)		
				North	Centre	South
1	BR-1A	Drilling holes for piles of finished diameter of 1000 mm in all types of soil, pavement, all types of rock, weathered rock, Hard rock using rotary drilling equipment for depths upto 20 m including all equipment, tools, labours, consumable, Bentonite, Casing materials and removal of all equipment, materials and debris on completion of concreting etc. complete as directed by the Engineer. (Source :MoRTH-Standard data book for analysis of rates, First revision, Page - 424)	MTR	4829.00	4829.00	4829.00
2	BR-1B	Drilling holes for piles of finished diameter of 1000 mm in all types of soil, pavement, all types of rock, weathered rock, Hard rock using rotary drilling equipment for depths above 20m to 30 m depth including all equipment, tools, labours, consumable, Bentonite, Casing materials and removal of all equipment, materials and debris on completion of concreting etc. complete as directed by the Engineer. for above 20m to 25 m depth	MTR	5312.00	5312.00	5312.00
3	BR-1C	Drilling holes for piles of finished diameter of 1000 mm in all types of soil, pavement, all types of rock, weathered rock, Hard rock using rotary drilling equipment for depths above 30m to 40 m depth including all equipment, tools, labours, consumable, Bentonite, Casing materials and removal of all equipment, materials and debris on completion of concreting etc. complete as directed by the Engineer. for above 25m to 30 m depth	MTR	5795.00	5795.00	5795.00
4	BR-2A	Drilling holes for piles of finished diameter of 1200 mm in all types of soil, pavement, all types of rock, weathered rock, Hard rock using rotary drilling equipment for depths upto 20 m including all equipment, tools, labours, consumable, Bentonite, Casing materials and removal of all equipment, materials and debris on completion of concreting etc. complete as directed by the Engineer. (Source :MoRTH-Standard data book for analysis of rates, First revision, Page - ,426)	MTR	5445.00	5445.00	5445.00
5	BR-2B	"Drilling holes for piles of finished diameter of 1200 mm in all types of soil, pavement, all types of rock, weathered rock, Hard rock using rotary drilling equipment for depths above 20m to 30 m depth including all equipment, tools, labours, consumable, Bentonite, Casing materials and removal of all equipment, materials and debris on completion of concreting etc. complete as directed by the Engineer. for above 20m to 25 m depth "	MTR	5990.00	5990.00	5990.00
6	BR-2C	"Drilling holes for piles of finished diameter of 1200 mm in all types of soil, pavement, all types of rock, weathered rock, Hard rock using rotary drilling equipment for depths above 30m to 40 m depth including all equipment, tools, labours, consumable, Bentonite, Casing materials and removal of all equipment, materials and debris on completion of concreting etc. complete as directed by the Engineer. for above 25m to 30 m depth "	MTR	6534.00	6534.00	6534.00

S.No	SOR Code	SOR Description	Unit Of Measu	Rate(Rs.)		
				North	Centre	South
7	BR-3	Providing vibrated Reinforced controlled Ready Mix cement concrete M30 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height, laying in the holes drilled , providing cover blocks, tremie concreting,laying,using tremie compacting including curing all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer for PILE CONCRETE 1000 mm Dia	MTR	6702.00	6568.00	6414.00
8	BR-3A	Providing vibrated Reinforced controlled Ready Mix cement concrete M35 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height, laying in the holes drilled , providing cover blocks, tremie concreting,laying,using tremie compacting including curing all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer for PILE CONCRETE 1000 mm Dia	MTR	6865.00	6732.00	6578.00
9	BR-4	Providing vibrated Reinforced controlled Ready Mix cement concrete M 40 design mix (To be designed with the material to be used)using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height, laying in the holes drilled , providing cover blocks, tremie concreting,laying,using tremie compacting including curing all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer for PILE CONCRETE 1000 mm Dia (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 482 & 483 Case-II,424,355)	MTR	6977.00	6843.00	6689.00

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				North	Centre	South
10	BR-5	Providing vibrated Reinforced controlled Ready Mix cement concrete M30 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height, laying in the holes drilled , providing cover blocks, tremie concreting,laying,using tremie compacting including curing all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer.for PILE CONCRETE 1200 mm Dia (Source :MoRTH- Standard data book for analysis of rates,First revision, Page -345 & 346 Case II,426 & 355)	MTR	9586.00	9395.00	9175.00
11	BR-5A	Providing vibrated Reinforced controlled Ready Mix cement concrete M35 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height, laying in the holes drilled , providing cover blocks, tremie concreting,laying,using tremie compacting including curing all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer.for PILE CONCRETE 1200 mm Dia (Source :MoRTH- Standard data book for analysis of rates,First revision, Page -345 & 346 Case II,426 & 355)	MTR	9819.00	9629.00	9408.00
12	BR-6	Providing vibrated Reinforced controlled Ready Mix cement concrete M 40 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height, laying in the holes drilled , providing cover blocks, tremie concreting,laying,using tremie compacting including curing all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer.for PILE CONCRETE 1200 mm Dia . (Source :MoRTH- Standard data book for analysis of rates,First revision, Page 482 & 483 Case II, 426 & 355)	MTR	9979.00	9788.00	9567.00
13	BR-7	Stripping of concrete at pile top of piles for the required depth to expose the pile reinforcement so as to anchor the same with pile cap reinforcement ,bending ,cleaning including labour charges, hire charges for tools and plants and all other incidental charges etc complete including cutting extra length of reinforcement if found necessary and as conforming MoRTH specification as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 441)	NOS	553.00	553.00	553.00

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				North	Centre	South
14	BR-8	Providing all equipment,kentledge, materials, instruments and manpower and conducting Initial/Routine Pile Load Test including preparation of pile, conducting observations and submitting Report, removing all arrangement, kentledge, etc., on Completion, but excluding cost of pile, complete as per IS:2911 Part-IV and MOST specifications and as directed by the Engineer.	MT	707.00	707.00	707.00
15	BR-15B	Providing vibrated Reinforced controlled Ready Mix cement concrete M 35 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc., complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 344,Case-II) for Pile Cap	CUM	8485.00	8325.00	8139.00
16	BR-15C	Providing vibrated Reinforced controlled Ready Mix cement concrete M 35 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc., complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 344,Case-II) for Pier	CUM	8485.00	8325.00	8139.00
17	BR-15D	Providing vibrated Reinforced controlled Ready Mix cement concrete M 35 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc., complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 344,Case-II) for Pier Cap	CUM	8485.00	8325.00	8139.00

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18	BR-15F	Providing vibrated Reinforced controlled Ready Mix cement concrete M 35 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 344,Case-II) for T Beam girder	CUM	8485.00	8325.00	8139.00
19	BR-15G	Providing vibrated Reinforced controlled Ready Mix cement concrete M 35 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 344,Case-II) for Deck Slab	CUM	8485.00	8325.00	8139.00
20	BR-15H	Providing vibrated Reinforced controlled Ready Mix cement concrete M 35 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 344,Case-II) for Abutment	CUM	8485.00	8325.00	8139.00
21	BR-15I	Providing vibrated Reinforced controlled Ready Mix cement concrete M 35 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 344,Case-II) for Retaining wall	CUM	8485.00	8325.00	8139.00

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22	BR-15J	Providing vibrated Reinforced controlled Ready Mix cement concrete M 35 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 344,Case-II) for Toe Wall	CUM	8485.00	8325.00	8139.00
23	BR-15K	Providing vibrated Reinforced controlled Ready Mix cement concrete M 35 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 344,Case-II) for Approach Slab	CUM	8485.00	8325.00	8139.00
24	BR-15L	Providing vibrated Reinforced controlled Ready Mix cement concrete M 35 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 344,Case-II) for Kerb	CUM	8485.00	8325.00	8139.00
25	BR-15M	Providing vibrated Reinforced controlled Ready Mix cement concrete M 35 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 344,Case-II) for Hand Rails	CUM	8485.00	8325.00	8139.00

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26	BR-15N	Providing vibrated Reinforced controlled Ready Mix cement concrete M 35 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 344,Case-II) for Cross Girder	CUM	8485.00	8325.00	8139.00
27	BR-15 O	Providing vibrated Reinforced controlled Ready Mix cement concrete M 35 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 344,Case-II) for Crash Barrier	CUM	8485.00	8325.00	8139.00
28	BR-19B	Providing vibrated Reinforced controlled Ready Mix cement concrete M 30 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 344,Case-II) for Pile Cap	CUM	8289.00	8128.00	7942.00
29	BR-19C	Providing vibrated Reinforced controlled Ready Mix cement concrete M 30 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 344,Case-II) for Pier	CUM	8289.00	8128.00	7942.00

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30	BR-19D	Providing vibrated Reinforced controlled Ready Mix cement concrete M 30 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 344,Case-II) for Pier Cap	CUM	8289.00	8128.00	7942.00
31	BR-19I	Providing vibrated Reinforced controlled Ready Mix cement concrete M 30 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 344,Case-II) for Retaining wall	CUM	8289.00	8128.00	7942.00
32	BR-19J	Providing vibrated Reinforced controlled Ready Mix cement concrete M 30 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 344,Case-II) for Toe Wall	CUM	8289.00	8128.00	7942.00
33	BR-19K	Providing vibrated Reinforced controlled Ready Mix cement concrete M 30 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 344,Case-II) for Approach Slab	CUM	8289.00	8128.00	7942.00

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34	BR-19L	Providing vibrated Reinforced controlled Ready Mix cement concrete M 30 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 344,Case-II) for Kerb	CUM	8289.00	8128.00	7942.00
35	BR-19M	Providing vibrated Reinforced controlled Ready Mix cement concrete M 30 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 344,Case-II) for Hand Rails	CUM	8289.00	8128.00	7942.00
36	BR-19 O	Providing vibrated Reinforced controlled Ready Mix cement concrete M 30 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 344,Case-II) for Crash Barrier	CUM	8289.00	8128.00	7942.00
37	BR-21B	Providing vibrated Reinforced controlled Ready Mix cement concrete M 40 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 482 & 483,Case-II) for Pile Cap	CUM	8620.00	8459.00	8273.00

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38	BR-21C	Providing vibrated Reinforced controlled Ready Mix cement concrete M 40 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 482 & 483,Case-II) for Pier	CUM	8620.00	8459.00	8273.00
39	BR-21D	Providing vibrated Reinforced controlled Ready Mix cement concrete M 40 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 482 & 483,Case-II) for Pier Cap	CUM	8620.00	8459.00	8273.00
40	BR-21E	Providing vibrated Reinforced controlled Ready Mix cement concrete M 40 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 482 & 483,Case-II) for Pre stressed Girder	CUM	8620.00	8459.00	8273.00
41	BR-21F	Providing vibrated Reinforced controlled Ready Mix cement concrete M 40 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 482 & 483,Case-II) for T Beam Girder	CUM	8620.00	8459.00	8273.00

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				North	Centre	South
42	BR-21G	Providing vibrated Reinforced controlled Ready Mix cement concrete M 40 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 482 & 483,Case-II) for Deck Slab	CUM	8620.00	8459.00	8273.00
43	BR-21H	Providing vibrated Reinforced controlled Ready Mix cement concrete M 40 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 482 & 483,Case-II) for Abutment	CUM	8620.00	8459.00	8273.00
44	BR-21I	Providing vibrated Reinforced controlled Ready Mix cement concrete M 40 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 482 & 483,Case-II) for Retaining Wall	CUM	8620.00	8459.00	8273.00
45	BR-21J	Providing vibrated Reinforced controlled Ready Mix cement concrete M 40 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 482 & 483,Case-II) for Toe Wall	CUM	8620.00	8459.00	8273.00

S.No	SOR Code	SOR Description	Unit Of Measu	Rate(Rs.)		
				North	Centre	South
46	BR-21K	Providing vibrated Reinforced controlled Ready Mix cement concrete M 40 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 482 & 483,Case-II) for Approach slab	CUM	8620.00	8459.00	8273.00
47	BR-21L	Providing vibrated Reinforced controlled Ready Mix cement concrete M 40 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 482 & 483,Case-II) for Kerb	CUM	8620.00	8459.00	8273.00
48	BR-21M	Providing vibrated Reinforced controlled Ready Mix cement concrete M 40 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 482 & 483,Case-II) for hand Rails	CUM	8620.00	8459.00	8273.00
49	BR-21N	Providing vibrated Reinforced controlled Ready Mix cement concrete M 40 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 482 & 483,Case-II) for Cross Girder	CUM	8620.00	8459.00	8273.00

S.No	SOR Code	SOR Description	Unit Of Measu	Rate(Rs.)		
				North	Centre	South
50	BR-21 O	Providing vibrated Reinforced controlled Ready Mix cement concrete M 40 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height , laying,compacting ,providing cover blocks, finishing smooth the surface, including vibration charges, curing concrete, all other tools and plants employed and all other incidental charges etc. , complete (Excluding cost and fabrication charges of steel and form work) confirming to MoRTH specifications, as directed by the Engineer. (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 482 & 483,Case-II) for crash Barrier	CUM	8620.00	8459.00	8273.00
51	BR-24	Providing wearing coat 75 mm thick average with Vibrated Reinforced controlled Ready Mix cement concrete M30 design mix (To be designed with the material to be used) using 20 mm ISS size HBG metal including cost and conveyance of all materials to site including cement, handling charges for the same, mixing , Including placing the pump in position , erecting the horizontal and vertical pipe line to the required distance and height, laying , compacting ,providing cover blocks, finishing smooth the surface, including screed vibration charges,using power trowel for dewatering, curing concrete all other tools and plants employed and all other incidental charges etc. , complete Machine Cutting Grooves of depth 20mm and with polysulphide pavement grade filler Materials 42 P pouring grade conform to BS 5212(part 2) approved by Department and all other incidental charges etc. , completed as confirming MoRTH Specifications (Excluding cost and fabrication charges of steel and form work) (Source :MoRTH- Standard data book for analysis of rates,First revision, Page - 492 & 344 Case-II)	SQM	685.00	673.00	659.00
52	BR-25	Providing filter media with 6 to 20mm ISS size graded metal and well compacted in layers with smaller sized towards the soil and bigger size towards the wall including cost and conveyance of all materials to work site including all labours and other incidental charges including hire charges for tools and plants employed etc. , completed as per standard technical specifications 2504 2.2, 111 and 112 of MoRT & H and as per the directions of Engineer in charge complete for Filter Media	CUM	1889.00	1889.00	1889.00
53	BR-29	Earth work excavation for foundation in all kinds of soils in varying depths including dismantling any masonry or roots met with in foundation shoring with planks and baling water if necessary clearing levelling the site etc. complete with initial lead of 10m and a lift of 2m	CUM	216.00	216.00	216.00
54	BR-29A	Extra lift for earth work excavation for every additional 1m or part there of over initial lift	CUM	10.00	10.00	10.00
55	BR-220	Supplying and installation of strip seal expansion joint system catering to maximum horizontal movement upto 40mm complete as per approved drawings and standard specifications to be installed by the manufacturer or their authorized representative ensuring compliance to the manufacturers instructions for installation conforming to MoRTH specification for road and bridge works in the expansion gap provided inbetween decks over piers and in between deck with fatigue tested structural steel section at the nosing and and anchorage assembly including cost and conveyance of all materials cost of testing as per MoRTH specification including labour equipments and all other incidental charges for fixing joints etc. , complete as per standard technical specifications 2607 of MoRTH and as per the directions of Engineer in charge for Strip seal expansion jointover deck slab and approach slab and as per the directions of Engineer incharge etc. complete	MTR	12154.00	12154.00	12154.00

S.No	SOR Code	SOR Description	Unit Of Measu	Rate(Rs.)		
				North	Centre	South
56	BR-221	Supplying fitting and fixing in position true to line and level elastomeric bearing confirming to IRC:83 (Part-II), Section IX and clause 2005 of MoRt&H Specifications complete including all accessories as per drawing and technical specifications .	CUCM	1.54	1.54	1.54
57	BR-222	Supplying and Fixing premoulded Bitumionous expansion pad of 12 mm thick including cutting into proper shape, cost and conveyance, fixing in position where suitable opening have to be cut in the pad so as to seat in position and all other charges etc., Complete iwwherever necessary.	SQM	522.00	522.00	522.00
58	BR-222A	Supplying and Fixing Pre-moulded bituminous expansion pad 20mm thick including cutting to proper shape, cost and conveyance, fixing in position in where suitable opening have to be cutout on the pad so as to seat in position and all other charges etc., complete wherever necessary.	SQM	756.00	756.00	756.00
59	BR- 229	Supplying fabricating and driving 6mm thick Permanent MS Liner for Piles of 1000mm dia	MTR	8796.00	8796.00	8796.00
60	BR-231	Supplying fabricating and driving 6mm thick Permanent MS Liner for Piles of 1200mm dia	MTR	10525.00	10525.00	10525.00
61	BR-232	Construction of temporary wooden foot bridge for pedestrian traffic with causurina posts for vertical, horzional, runner, crosstiffners, diagonal brace, incline props, handrailing and with 4 cm thick wooden planks nailed to country wood runners 3" x 2" etc., complete.	SQM	2800.00	2800.00	2800.00
62	BR-233	Providing placing stressing anchoring in position High tensile steel wires/strands and providing fixing in position HDPE sheating ducts and anchorages including all accessories for stressing, stressing operations and grouting complete as per drawing and technical specifications section 1800 (19 starands-12.7mm dia-7ply) for super structure girders	MT	103400.00	103400.00	103400.00
63	BR-242	Supplying and painting with two Coats Ready Mixed epoxy paint first class quality and of Approved colour over existing painted Metal structural using brush including necessary Scaffolding, thorough Cleaning, Washing, Clean removal of dirt etc., Complete and necessary plaster or paris putty etc., Where ever required (ISI Std.)	SQM	175.00	175.00	175.00
64	BR-301	Supplying fitting and fixing in position true to line and level Pot - PTFE bearing consisting of a metal piston supported by a dice or unreinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel / fabricated structural steel, metal and elestomer elements to be as per IRC : 83 Parts I & II respectively and other parts conforming to BS: 5400, Sections 9.1 & 9.2 and clause 2006 of MORT&H Specifications complete as per drawing and approved technical Specifications. (Page - 469)(SI No-13.16) (Ref to MoRTH specification 2000 & 2200) Fixed type bearing 350 Tonne	NOS	114891.00	114891.00	114891.00
65	BR-302	Supplying fitting and fixing in position true to line and level Pot - PTFE bearing consisting of a metal piston supported by a dice or unreinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel / fabricated structural steel, metal and elestomer elements to be as per IRC : 83 Parts I & II respectively and other parts conforming to BS: 5400, Sections 9.1 & 9.2 and clause 2006 of MORT&H Specifications complete as per drawing and approved technical Specifications. (Page - 469)(SI No-13.16) (Ref to MoRTH specification 2000 & 2200)Guide type bearing 350 Tonne	NOS	98040.00	98040.00	98040.00

S.No	SOR Code	SOR Description	Unit Of Measu	Rate(Rs.)		
				North	Centre	South
66	BR-303	Supplying fitting and fixing in position true to line and level Pot - PTFE bearing consisting of a metal piston supported by a dice or unreinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel / fabricated structural steel, metal and elestomer elements to be as per IRC : 83 Parts I & II respectively and other parts conforming to BS: 5400, Sections 9.1 & 9.2 and clause 2006 of MORT&H Specifications complete as per drawing and approved technical Specifications. (Page - 469)(SI No-13.16) (Ref to MoRTH specification 2000 & 2200) Free type bearing 350 Tonne	NOS	87509.00	87509.00	87509.00
67	BR-304	Supplying fitting and fixing in position true to line and level Pot - PTFE bearing consisting of a metal piston supported by a dice or unreinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel / fabricated structural steel, metal and elestomer elements to be as per IRC : 83 Parts I & II respectively and other parts conforming to BS: 5400, Sections 9.1 & 9.2 and clause 2006 of MORT&H Specifications complete as per drawing and approved technical Specifications. (Page - 469)(SI No-13.16) (Ref to MoRTH specification 2000 & 2200) Fixed type bearing 300 Tonne	NOS	98642.00	98642.00	98642.00
68	BR-305	Supplying fitting and fixing in position true to line and level Pot - PTFE bearing consisting of a metal piston supported by a dice or unreinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel / fabricated structural steel, metal and elestomer elements to be as per IRC : 83 Parts I & II respectively and other parts conforming to BS: 5400, Sections 9.1 & 9.2 and clause 2006 of MORT&H Specifications complete as per drawing and approved technical Specifications. (Page - 469)(SI No-13.16) (Ref to MoRTH specification 2000 & 2200)Guide type bearing 300 Tonne	NOS	84199.00	84199.00	84199.00
69	BR-306	Supplying fitting and fixing in position true to line and level Pot - PTFE bearing consisting of a metal piston supported by a dice or unreinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel / fabricated structural steel, metal and elestomer elements to be as per IRC : 83 Parts I & II respectively and other parts conforming to BS: 5400, Sections 9.1 & 9.2 and clause 2006 of MORT&H Specifications complete as per drawing and approved technical Specifications. (Page - 469)(SI No-13.16) (Ref to MoRTH specification 2000 & 2200) Free type bearing 300 Tonne	NOS	75172.00	75172.00	75172.00
70	BR-307	Supplying fitting and fixing in position true to line and level Pot - PTFE bearing consisting of a metal piston supported by a dice or unreinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel / fabricated structural steel, metal and elestomer elements to be as per IRC : 83 Parts I & II respectively and other parts conforming to BS: 5400, Sections 9.1 & 9.2 and clause 2006 of MORT&H Specifications complete as per drawing and approved technical Specifications. (Page - 469)(SI No-13.16) (Ref to MoRTH specification 2000 & 2200) Fixed type bearing 150 Tonne	NOS	49896.00	49896.00	49896.00

S.No	SOR Code	SOR Description	Unit Of Measu	Rate(Rs.)		
				North	Centre	South
71	BR-308	Supplying fitting and fixing in position true to line and level Pot - PTFE bearing consisting of a metal piston supported by a dice or unreinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel / fabricated structural steel, metal and elestomer elements to be as per IRC : 83 Parts I & II respectively and other parts conforming to BS: 5400, Sections 9.1 & 9.2 and clause 2006 of MORT&H Specifications complete as per drawing and approved technical Specifications. (Page - 469)(SI No-13.16) (Ref to MoRTH specification 2000 & 2200)Guide type bearing 150 Tonne	NOS	42675.00	42675.00	42675.00
72	BR-309	Supplying fitting and fixing in position true to line and level Pot - PTFE bearing consisting of a metal piston supported by a dice or unreinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel / fabricated structural steel, metal and elestomer elements to be as per IRC : 83 Parts I & II respectively and other parts conforming to BS: 5400, Sections 9.1 & 9.2 and clause 2006 of MORT&H Specifications complete as per drawing and approved technical Specifications. (Page - 469)(SI No-13.16) (Ref to MoRTH specification 2000 & 2200) Free type bearing 150 Tonne	NOS	38161.00	38161.00	38161.00
73	BR-310	Supplying fitting and fixing in position true to line and level Pot - PTFE bearing consisting of a metal piston supported by a dice or unreinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel / fabricated structural steel, metal and elestomer elements to be as per IRC : 83 Parts I & II respectively and other parts conforming to BS: 5400, Sections 9.1 & 9.2 and clause 2006 of MORT&H Specifications complete as per drawing and approved technical Specifications. (Page - 469)(SI No-13.16) (Ref to MoRTH specification 2000 & 2200) Guide type bearing 750 Tonne	NOS	208772.00	208772.00	208772.00

S.No	SOR Code	SOR Description	Unit Of Measu	Rate(Rs.)		
				North	Centre	South
74	BR-311	Supplying fitting and fixing in position true to line and level Pot - PTFE bearing consisting of a metal piston supported by a dice or unreinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel / fabricated structural steel, metal and elestomer elements to be as per IRC : 83 Parts I & II respectively and other parts conforming to BS: 5400, Sections 9.1 & 9.2 and clause 2006 of MORT&H Specifications complete as per drawing and approved technical Specifications. (Page - 469)(SI No-13.16) (Ref to MoRTH specification 2000 & 2200)Free type bearing 750 Tonne	NOS	186204.00	186204.00	186204.00
75	BR-312	Supplying fitting and fixing in position true to line and level Pot - PTFE bearing consisting of a metal piston supported by a dice or unreinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel / fabricated structural steel, metal and elestomer elements to be as per IRC : 83 Parts I & II respectively and other parts conforming to BS: 5400, Sections 9.1 & 9.2 and clause 2006 of MORT&H Specifications complete as per drawing and approved technical Specifications. (Page - 469)(SI No-13.16) (Ref to MoRTH specification 2000 & 2200) Fixed type bearing 1000 Tonne	NOS	326123.00	326123.00	326123.00
76	BR-313	Supplying fitting and fixing in position true to line and level Pot - PTFE bearing consisting of a metal piston supported by a dice or unreinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel / fabricated structural steel, metal and elestomer elements to be as per IRC : 83 Parts I & II respectively and other parts conforming to BS: 5400, Sections 9.1 & 9.2 and clause 2006 of MORT&H Specifications complete as per drawing and approved technical Specifications. (Page - 469)(SI No-13.16) (Ref to MoRTH specification 2000 & 2200) Fixed type bearing 400 Tonne	NOS	131139.00	131139.00	131139.00
77	BR-314	Supplying fitting and fixing in position true to line and level Pot - PTFE bearing consisting of a metal piston supported by a dice or unreinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel / fabricated structural steel, metal and elestomer elements to be as per IRC : 83 Parts I & II respectively and other parts conforming to BS: 5400, Sections 9.1 & 9.2 and clause 2006 of MORT&H Specifications complete as per drawing and approved technical Specifications. (Page - 469)(SI No-13.16) (Ref to MoRTH specification 2000 & 2200)Pinned type Bearing Horizontal Capacity - 200 Tonnne	NOS	191319.00	191319.00	191319.00

S.No	SOR Code	SOR Description	Unit Of Measu	Rate(Rs.)		
				North	Centre	South
78	BR-315	Supplying fitting and fixing in position true to line and level Pot - PTFE bearing consisting of a metal piston supported by a dice or unreinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel / fabricated structural steel, metal and elestomer elements to be as per IRC : 83 Parts I & II respectively and other parts conforming to BS: 5400, Sections 9.1 & 9.2 and clause 2006 of MORT&H Specifications complete as per drawing and approved technical Specifications. (Page - 469)(SI No-13.16) (Ref to MoRTH specification 2000 & 2200) Fixed type Bearing - 250 Tonnnne	NOS	82394.00	82394.00	82394.00
79	BR-316	Supplying fitting and fixing in position true to line and level Pot - PTFE bearing consisting of a metal piston supported by a dice or unreinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel / fabricated structural steel, metal and elestomer elements to be as per IRC : 83 Parts I & II respectively and other parts conforming to BS: 5400, Sections 9.1 & 9.2 and clause 2006 of MORT&H Specifications complete as per drawing and approved technical Specifications. (Page - 469)(SI No-13.16) (Ref to MoRTH specification 2000 & 2200) Guide type Bearing - 250 Tonnnne	NOS	70358.00	70358.00	70358.00
80	BR-317	Supplying fitting and fixing in position true to line and level Pot - PTFE bearing consisting of a metal piston supported by a dice or unreinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel / fabricated structural steel, metal and elestomer elements to be as per IRC : 83 Parts I & II respectively and other parts conforming to BS: 5400, Sections 9.1 & 9.2 and clause 2006 of MORT&H Specifications complete as per drawing and approved technical Specifications. (Page - 469)(SI No-13.16) (Ref to MoRTH specification 2000 & 2200) Free type Bearing - 250 Tonnnne	NOS	62835.00	62835.00	62835.00
81	BR-318	Supplying fitting and fixing in position true to line and level Pot - PTFE bearing consisting of a metal piston supported by a dice or unreinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel / fabricated structural steel, metal and elestomer elements to be as per IRC : 83 Parts I & II respectively and other parts conforming to BS: 5400, Sections 9.1 & 9.2 and clause 2006 of MORT&H Specifications complete as per drawing and approved technical Specifications. (Page - 469)(SI No-13.16) (Ref to MoRTH specification 2000 & 2200) Free type Bearing -1000 Tonnnne	NOS	247889.00	247889.00	247889.00

S.No	SOR Code	SOR Description	Unit Of Measu	Rate(Rs.)		
				North	Centre	South
82	BR-319	Supplying fitting and fixing in position true to line and level Pot - PTFE bearing consisting of a metal piston supported by a dice or unreinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel / fabricated structural steel, metal and elestomer elements to be as per IRC : 83 Parts I & II respectively and other parts conforming to BS: 5400, Sections 9.1 & 9.2 and clause 2006 of MORT&H Specifications complete as per drawing and approved technical Specifications. (Page - 469)(SI No-13.16) (Ref to MoRTH specification 2000 & 2200) Free type Bearing -400 Tonnnne	NOS	99846.00	99846.00	99846.00
83	BR-320	Supplying fitting and fixing in position true to line and level Pot - PTFE bearing consisting of a metal piston supported by a dice or unreinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel / fabricated structural steel, metal and elestomer elements to be as per IRC : 83 Parts I & II respectively and other parts conforming to BS: 5400, Sections 9.1 & 9.2 and clause 2006 of MORT&H Specifications complete as per drawing and approved technical Specifications. (Page - 469)(SI No-13.16) (Ref to MoRTH specification 2000 & 2200)Pinned type Bearing -100 Tonnnne	NOS	96235.00	96235.00	96235.00
84	BR-321	Supplying fitting and fixing in position true to line and level Pot - PTFE bearing consisting of a metal piston supported by a dice or unreinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel / fabricated structural steel, metal and elestomer elements to be as per IRC : 83 Parts I & II respectively and other parts conforming to BS: 5400, Sections 9.1 & 9.2 and clause 2006 of MORT&H Specifications complete as per drawing and approved technical Specifications. Guide Type Bearing - 500 Tonnnne	NOS	139565.00	139565.00	139565.00
85	BR-322	Supplying fitting and fixing in position true to line and level Pot - PTFE bearing consisting of a metal piston supported by a dice or unreinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel / fabricated structural steel, metal and elestomer elements to be as per IRC : 83 Parts I & II respectively and other parts conforming to BS: 5400, Sections 9.1 & 9.2 and clause 2006 of MORT&H Specifications complete as per drawing and approved technical Specifications Free type Bearing - 500 Tonnnne	NOS	124520.00	124520.00	124520.00

S.No	SOR Code	SOR Description	Unit Of Measu	Rate(Rs.)		
				North	Centre	South
86	BR-323	Supplying fitting and fixing in position true to line and level Pot - PTFE bearing consisting of a metal piston supported by a dice or unreinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel / fabricated structural steel, metal and elastomer elements to be as per IRC : 83 Parts I & II respectively and other parts conforming to BS: 5400, Sections 9.1 & 9.2 and clause 2006 of MORT&H Specifications complete as per drawing and approved technical Specifications.Free type Bearing -330 Tonne	NOS	82574.00	82574.00	82574.00
87	BR-324	Supplying fitting and fixing in position true to line and level Pot - PTFE bearing consisting of a metal piston supported by a dice or unreinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel / fabricated structural steel, metal and elastomer elements to be as per IRC : 83 Parts I & II respectively and other parts conforming to BS: 5400, Sections 9.1 & 9.2 and clause 2006 of MORT&H Specifications complete as per drawing and approved technical Specifications Guide type Bearing -330 Tonne	NOS	92504.00	92504.00	92504.00
88	BR-325	Supplying fitting and fixing in position true to line and level Pot - PTFE bearing consisting of a metal piston supported by a dice or unreinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel / fabricated structural steel, metal and elastomer elements to be as per IRC : 83 Parts I & II respectively and other parts conforming to BS: 5400, Sections 9.1 & 9.2 and clause 2006 of MORT&H Specifications complete as per drawing and approved technical Specifications. (Page - 469)(SI No-13.16) (Ref to MoRTH specification 2000 & 2200) Fixed type Bearing -330 Tonne	NOS	108391.00	108391.00	108391.00
89	BR-326	Supplying fitting and fixing in position true to line and level Pot - PTFE bearing consisting of a metal piston supported by a dice or unreinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel / fabricated structural steel, metal and elastomer elements to be as per IRC : 83 Parts I & II respectively and other parts conforming to BS: 5400, Sections 9.1 & 9.2 and clause 2006 of MORT&H Specifications complete as per drawing and approved technical Specifications. (Page - 469)(SI No-13.16) (Ref to MoRTH specification 2000 & 2200)Free type Bearing -260 Tonne	1 NOS	65302.00	65302.00	65302.00
90	BR-327	Supplying fitting and fixing in position true to line and level Pot - PTFE bearing consisting of a metal piston supported by a dice or unreinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel / fabricated structural steel, metal and elastomer elements to be as per IRC : 83 Parts I & II respectively and other parts conforming to BS: 5400, Sections 9.1 & 9.2 and clause 2006 of MORT&H Specifications complete as per drawing and approved technical Specifications. (Page - 469)(SI No-13.16) (Ref to MoRTH specification 2000 & 2200) Guide type Bearing -260 Tonne	NOS	73126.00	73126.00	73126.00

S.No	SOR Code	SOR Description	Unit Of Measu	Rate(Rs.)		
				North	Centre	South
91	BR-328	Supplying fitting and fixing in position true to line and level Pot - PTFE bearing consisting of a metal piston supported by a dice or unreinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel / fabricated structural steel, metal and elastomer elements to be as per IRC : 83 Parts I & II respectively and other parts conforming to BS: 5400, Sections 9.1 & 9.2 and clause 2006 of MORT&H Specifications complete as per drawing and approved technical Specifications. (Page - 469)(SI No-13.16) (Ref to MoRTH specification 2000 & 2200) Fixed type Bearing -260 Tonnne	NOS	85643.00	85643.00	85643.00
92	BR-329	Supplying fitting and fixing in position true to line and level Pot - PTFE bearing consisting of a metal piston supported by a dice or unreinforced elastomer confined within a metal cylinder, sealing rings, dust seals, PTFE surface sliding against stainless steel mating surface, complete assembly to be of cast steel / fabricated structural steel, metal and elastomer elements to be as per IRC : 83 Parts I & II respectively and other parts conforming to BS: 5400, Sections 9.1 & 9.2 and clause 2006 of MORT&H Specifications complete as per drawing and approved technical Specifications. (Page - 469)(SI No-13.16) (Ref to MoRTH specification 2000 & 2200) Fixed type Bearing -500 Tonnne	NOS	163637.00	163637.00	163637.00
93	BR-334	Epoxy paint for concrete surface at the bottom of deck slab and piers of the flyover: Surface preparation removal of marine fouling grease and other deposits with sweep sand blasting low pressure mildly including Scaffolding One coat of primer DFT 50-60 microns (Dry Film Thickness) with mechanical spraying. One coat of epoxy TIO2 (top coat) DFT 100-110 microns (Dry Film Thickness) with mechanical spraying.	SQM	364.00	364.00	364.00
94	BR-335	Epoxy paint for exposed (sun light) concrete surface of the Flyover at Fascia and crash barrier: Surface preparation removal of marine fouling grease and other deposits with sweep sand blasting low pressure mildly including Scaffolding One coat of primer DFT 50-60 microns (Dry Film Thickness) with mechanical spraying. One coat of epoxy MIO undercoat DFT 100-110 microns (Dry Film Thickness)with mechanical spraying.One coat of epoxy TIO2 (top coat) DFT 100-110 microns (Dry Film Thickness) with mechanical spraying. One coat of sealer coat of Aliphatic Polyurethane coat DFT 30-35 microns (Dry Film Thickness) with mechanical spraying.	SQM	515.00	515.00	515.00
95	BR-338	Providing and applying of CPCC Protective Coating (Cement - polymer Composite Coating) at site to reinforcing steel comprising removal of rust by sand blasting of steel, application of CPCC Primer and CPCC sealing coat complete as per standard specification of Central Electro chemical Research Institute and technical specifications mentioned in 1600, 111 and 112 of MORTH.The application shall be done by authorized licensee of CECRI and as per the dircetions of Engineer- in-charge for all reinforcement involved in the RCC works including all materials, Labour, tools and tackles etc complete and as directed by Engineer.	MT	11500.00	11500.00	11500.00

S.No	SOR Code	SOR Description	Unit Of Measu	Rate(Rs.)		
				North	Centre	South
96	BR-352	supply and fabricating of Corrosion Resistant Steel/HCRM bars of Fe-500 D required for all RCC items of works involved In Bridge Structures in the schedule and cost of TOR steel confirming to IS:1786 at site, including fabrication, labour charges for cleaning the rods, straightening, cutting, bending, type grills with GI wires including overlapping to the required length wherever necessary and placing the reinforcement in position as specified in the drawings, including cost of binding wire, provision of spacer bars, cover blocks and all other charges etc., complete, as per standard specifications Fe-500 D	MT	77000.00	77000.00	77000.00
97	BR-356	Providing, casting of precast fascia elements of 180mm thick including aesthetic finish of 20mm in RCC M35 grade concrete, providing letters (COC letter shall be embossed during casting of panel) as directed EIC and as per specifications given including positive connections with pannel & soil reinforcing elements, fittings, providing Parawa-Geosynthetic strip soil reinforcing elements, geotextile etc, erection of fascia panel and laying of soil reinforcing element, along with necessary insitu concrete works for foundation pad as well as coping and providing Half perforated drain pipes wrapped with Geotextiles behind the wall as needed for necessary drainage arrangement with outlets etc., complete as specified/Paraweb manufactureres requirement and as per MoRTH technical specifications 3100 (revision 5), volume-3 2013 release and as per design guidelines of BS 8006 (Latest version)/project specifications excluding drainage bay & selected soil filling/compactions scopes and other friction slab, crash barrier, ground improvement works if nay (Height will be 2M to 8M)	SQM	5595.00	5595.00	5595.00
98	BR-357	Providing and fixing of Galvanized iron drainage spouts 10mm dia , as per GOI drawing SD/205 with grating arrangements at top as shown in the drawing and 100 mm dia drainage spout projecting at least 600mm beyond the bottom of deck slab as shown in the drawing including cost and conveyance of Galvanized iron pipes and flats and fixing them in position etc., complete as per MoRTH specifications 2705	NOS	2163.00	2163.00	2163.00
99	BR-358	Hire Charges for Structural Steel staging support arrangement to support the obligatory span at 7m height level etc., where required and as directed comprising MS cribs, cribs joining clamps (clamping @ 4 sides of each cribs of required size), angles, plates, spindle/Stirrup head by hydraulic jack system, tees flats, rounds, squares, other structural steel sections, pipe sleeves and pipes of various sizes, IS channels, IS beams, square rods, etc., by approved make including bended required shape, painting exposed faces with two coats antocorrosive paint of approved colour over a coat of red lead primer, etc. complete all as per specifications and drawings including conveyance, fabrication & labour charges for structural steel staging support all other incidental charges, loading, unloading using proper all mechanical means at site. The hire period will be for the entire construction of restoration (Conisidered 4 months) and the removal of hired structural steel items from site in safe manner as directed by department	SQM	1726.00	1726.00	1726.00
100	BR-359	Supply and filling 40mm Metal (With lead)	CUM	1537.34	1415.11	1273.70
101	BR-360	Supply and filling 20mm Metal (With lead)	CUM	1931.34	1809.11	1667.70
102	BR-361	Crash Barrier Railing with structural steel rectangular hollow section of size 96mm x 48mm x 4.8mm having 2nos of 12mm dia bolts with 300mm long along with base plate of 100mm x 100mm x 100mm tk	MT	85016.00	85016.00	85016.00

S.No	SOR Code	SOR Description	Unit Of Measu	Rate(Rs.)		
				North	Centre	South
103	BR-363	Supplying and erecting for sides and soffits including supports and shuttering up to 6m high for plane surface such as RCC circular using mild steel sheets of size 90x60cm 10 gauge stiffened with welded mild steel angles of size 25x25x3mm for boarding laid over silver oak(country wood) joists of size 10x6.5cm spaced at about 90cm centre to centre and supported by iron props spaced at 75cm centre to centre required necessary MS channels, flats, joining bolts, Turnbuckles for support in different levels and also including 5MT crane capacity for erection & de moulding of steel shutters, etc. all complete Piers in PIER, PEDESTAL	SQM	1974.00	1974.00	1974.00
104	BR-364	Supplying and erecting centering for sides and soffits including supports and shuttering upto 3m high for plane surface such as side slabs of RCC boxing and similar vertical RCC slab etc. With all cross bracing using mild steel sheets of size 90x60cm and 10 gauge stiffened with welded mild steel angles of size 25x25x3mm for boarding laid over Oak joists of size 10x6.5cm spaced at above 90cm centre to centre and supported by casuarina props of 10 to 13cm dia spaced at 75cm centre to centre necessary MS Channels, flats, joining bolts, turnbuckles for support in different levels and also including 5MT crane capacity for erection and de moulding of steel shutters etc. Complete for PSC BOX GIRDER , DECK SLAB , CROSS GIRDER, PIER, PIERCAP, PEDESTAL and PILE CAP	SQM	962.00	962.00	962.00
105	BR-367	Chemical Anchoring of Reinforcement (Lock fixing) with 150mm depth over the existing RCC Structures, by using Fosroc Chemical or equivalent material instead of overlapping or welding for 12mm dia.	NOS	100.00	100.00	100.00
106	BR-368	Supplying, fabricating and erecting in position of Steel sections, for elements like columns, beams, purlins, plates as per the drawings, providing minimum grade of YST 310 as per IS 4923 for all Rolled Tubular sections and grade E350 as per IS 2062 for all other steel elements and components. The materials of all components should confirm to the relevant Indian Standard Specifications. The elements shall be procured only from reputed manufactures of steel and certificates to the effect from the reputed manufacturers shall also be furnished. The rate quoted shall include the cost of steel elements, base-plates with holding down bolts and nuts to RCC, roof purlins, rafters, purlin sleeves, splices the members fixing accessories etc., including welding as per IS 800 and IS 814 and grinding as per requirements, blast cleaning SA 2.5 and applying one coat of Zinc rich primer and erecting in position using cranes, lifting and transportation of materials to site and assembling as instructed by the Engineer. The contractor shall also arrange to provide grouting with recommended materials as directed by the Engineer for holding down the bolts embedding into the concrete surface wherever necessary etc., complete.	KG	130.00	130.00	130.00
107	BR-371	Removal of Rank vegetation including removal of stumps and roots in flyover and bridges etc., all complete	EACH	405.00	405.00	405.00