



रेल विकास निगम लिमिटेड
Rail Vikas Nigam Limited

गुणवत्ता, गति एवं पारदर्शिता

(A Government of India Enterprise)

CIN: L74999DL2003GOI118633

Lr. No RVNL/BBS/ANGL-SKND/28 Nos. Bridges/03/ 62974

Dated 08.06.2022

Performance Certificate

1	Name of work	Execution of 28 Nos. of Bridges including 8 Nos. of PSC Girder Bridges, 7 Nos. of RCT-beam Girder Bridges, 8 Nos. of RCC-Box Bridges and substructures for 5 Nos. of Steel girder bridges between Budhapank to Baghuapal including tie lines to Tacher road and Tomka Railway station under Angul-Sukinda New BG Rail line in state of Odisha, India							
2	Contract Agreement No. & Date	RVNL/BBS/ANGL-SKND/28 No.s Bridges/03 dated 13.08.2016							
3	Name of Agency	BSCPL Infra structure Limited.							
4	(a)Contract Value Original (Rs. Crores)	101.992							
	(b)Contract Value Revised (Rs. Crores)	127.441							
5	Major/Key activities								
Sl. No	Key Activity	Unit	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	Total Qty Executed
A	Earthwork								
	Excavation in Soil	Cum	-	10,871.49	16,401.23	12,575.05	26,148.67	4,003.56	70,000.00
	Excavation in Ordinary / Hard / Soft Rock	Cum	-	7,834.21	20,127.71	387.98	12,240.75	9,391.26	49,981.90
	Embankment	Cum	-	2,996.01	52,272.62	17,658.19	21,759.27	1,27,279.06	2,21,965.14
B	Asphaltic work								
	Two coats of coal tar epoxy	Sqm	-	1,656.23	16,412.36	8,607.03	13,175.01	10,018.49	49,869.13
C	Major & Minor Bridges								
	a) Plain Cement Concrete	Cum	-	850.71	836.55	886.79	3,515.68	3,260.32	9,350.06
	b) Reinforced Cement Concrete	Cum	-	7,661.67	14,285.48	7,306.24	10,835.79	4,760.86	44,850.04
	c) Pre Stressed Concrete	Cum				120.46	312.45	-	432.91
D	Reinforcement & Structural Steel								
	a) Reinforcement HYSD Bars	MT	-	1,473.19	1,943.84	1,300.01	1,535.91	543.89	6,796.85
	b) Structural Steel	MT				10.68	63.62	16.92	91.22
	c) Reinforcement HTS	MT				2.95	7.63	-	10.59
E	Foundations								
	a) Pile								
	Foundation								

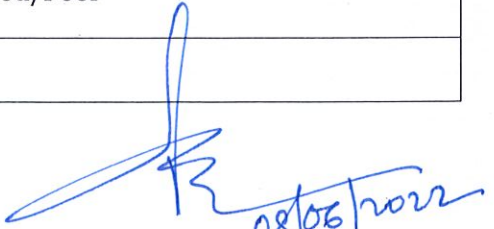
B-Block (West Wing-Ground Floor), 6.9 Acre Complex, Rail Vihar, Chandrasekharpur, Bhubaneswar-751023

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	b) 1200 mm dia	LM	-	1,065.49	805.62	2,044.07	868.49		4,783.67
F	Buildings & Other items								
	Site Office	Sqm		184.00					184.00
	Stone Pitching	Cum	-	-		251.84	2,033.90	3,192.31	5,478.05
	Filter Media	Cum			1,628.83	1,365.26	1,704.08	1,588.86	6,287.03
6	Date of Commencement			17th June 2016					
7	Scheduled Date of completion			15th December 2018					
	Extension of Time			EOT -V					
	(a) EOT LETTER NO.			RVNL/BBS/ANGL-SKND/28 No.s Bridges/03/5976, Dt:05.01.2022					
	Revised Date of completion			31.03.2022					
8	Actual Date of Completion			Work In Progress					
	Value of Work Done (Rs. Crores)	2016-17	2017-18	2018-19	2019-20	2020-21	2020-21		Total Executed
9	Work value		20.635	32.470	21.966	29.834	15.109		120.014
	Price Variation			4.520	10.558	7.495	5.319		27.892
	GST claim			1.290	0.897	1.493	0.870		4.550
	Total	-	20.635	38.280	33.421	38.822	21.298		152.456
10	% (Percentage) Value of Work Done		16.192%	25.478%	17.236%	23.410%	11.856%		94.172%
11	Total Value of Work completed (Rs. Crores)			120.014					
12	Total % (Percentage of Value Work Completed)			94.172%					
13	Balance Value of Work to be executed (Rs. Crores)			7.427					
14	Balance Value of Work to be executed %			5.828%					
15	Performance			Outstanding/Very Good/Good/Poor					
16	Remarks								


 (P.K. Mohanty)

Chief Project Manager-II
 Rail Vikas Nigam Limited
 Bhubaneswar

BOQ Item No	Description	UNIT	FY Year 2016-17			FY Year 2017-18			FY Year 2018-19			FY Year 2019-20			FY Year 2020-21			FY Year 2021-22		
			IPC-1 to IPC-6			IPC-7 to IPC-13			IPC-14 to IPC-19			IPC-20 to IPC-24			IPC-25 to IPC-28					
			Qty	Amount		Qty	Amount		Qty	Amount		Qty	Amount		Qty	Amount		Qty	Amount	
2001 a	Bill No-ZA																			
2001 b	Earthwork Excavation in Foundation (Soil)	Cum	10,871.49	33,39,829.21		16,401.23	50,38,621.84	12,575.05	38,63,181.35	26,148.67	80,33,132.60	4,003.56	12,29,934.59							
2001 c	Rock not requiring blasting	Cum	3,868.41	12,64,447.66		1,776.53	5,76,216.29	387.98	1,25,840.99				4,937.09	16,01,345.14						
2001 d	Hard Rock requiring blasting, but blasting not permitted, hence to be excavated by chiseling.	Cum	7,000.00	3,36,875.00		13,321.23	64,10,842.80			3,524.60	16,96,213.27	4,454.17	21,43,568.83							
2001 e	Extra over item 2001c) for cutting in rock provision controlled blasting.	Cum	3,235.81	20,99,066.70		5,028.95	32,62,927.92													
2002	Extra over item 2001a) for quantities of works, executed in or under water and/or liquid mud/under four position including pumping out foundation and floor using well graded stone concrete M20/M25 in piers, retaining walls, wells and protection work etc. using well concrete M20/M25 in piers, retaining walls, jacking, dirt well, return wall, wing wall, fly wing wall, retaining wall, approach slab, foot path slab, wearing course, ballast retainers, RCC railing, inspection platform, pedestal.	Cum	1,857.00	1,14,094.08		1,330.47	81,744.33	1,641.08	1,00,827.79	3,696.54	2,27,115.48	2,274.91	1,39,770.16							
2003	Providing and laying M 10 cement concrete in foundation and floor using well graded stone concrete M20/M25 in piers, retaining walls, wells and protection work etc. using well concrete M20/M25 in piers, retaining walls, jacking, dirt well, return wall, wing wall, fly wing wall, retaining wall, approach slab, foot path slab, wearing course, ballast retainers, RCC railing, inspection platform, pedestal.	Cum	7,997.72	21,26,444.82		4,751.76	12,65,051.80	327.30	8,70,296.98	1,071.52	28,49,150.33	648.81	17,25,168.67							
2004	Providing and laying Design mix control concrete M25/M30/M40 in cast-in-situ RCC works of raft, pile cap, pier, abutment, well jacking, RCC well kerb, well cap, pier cap, jacking, dirt well, return wall, wing wall, fly wing wall, retaining wall, approach slab, foot path slab, wearing course, ballast retainers, RCC railing, inspection platform, pedestal.	Cum	50.99	2,05,176.11		360.79	14,51,767.77	559.49	22,51,307.66	2,444.17	96,34,957.36	2,611.57	1,05,08,565.84							
2005	Providing precast/cast-in-situ post tensioned concrete M25/M30/M40 in cast-in-situ RCC works of raft, pile cap, pier, abutment, well jacking, dirt well, return wall, wing wall, fly wing wall, retaining wall, approach slab, foot path slab, wearing course, ballast retainers, RCC railing, inspection platform, pedestal.	Cum	7,661.67	4,06,114,496.77		14,285.48	7,57,27,353.49	7,306.24	3,87,30,353.73	10,835.79	5,74,40,528.09	4,760.86	2,52,37,318.86							
2006	PSC girders including diaphragms and deck slab with design mix concrete M45/M50 including sheathing, anchorages, bearing plates, permanent wedges, positioning of strands in sheathing as per profile, stressing and distressing, grouting, launching.	Cum																		
2007	Extra for laying concrete in or under water and/or liquid mud/under four position including cost of pumping or bailing out water and removing slush etc complete. Note: The quantity will be calculated by multiplying the depth of the excavation with the area of excavation.	Cum Per Meter Depth																		
2008	Providing and fixing elastomeric bearings as per specification provided in the drawings.	Cm3																		
2009	Providing and laying 40MM expansion joint as mentioned in the drawings.	M																		
2010	Deflection test.	Each																		
2010a	Above 10 to 13	Each																		
2010b	Above 13 to 22	Each																		
2010c	More than 25	Each																		
2015	Providing and laying dry stone backing behind abutments, wing walls, return walls consisting of masonry work as per specification provided in the drawings.	Cum																		
2016	Providing and laying 300mm thick dry stone backing in foundation, abutment, pier, abutment, well kerb, well cap, pier cap, jacking, dirt well, return wall, wing wall, fly wing wall, retaining wall, approach slab, foot path slab, wearing course, ballast retainers, RCC railing, inspection platform, pedestal.	Cum	372.38	1,95,006.81		17,265.55	90,41,624.27	14,014.68	73,39,209.72	11,630.47	60,90,643.48	13,992.21	73,22,204.26							
2017	Providing and laying 300mm thick dry stone backing in foundation, abutment, pier, abutment, well kerb, well cap, pier cap, jacking, dirt well, return wall, wing wall, fly wing wall, retaining wall, approach slab, foot path slab, wearing course, ballast retainers, RCC railing, inspection platform, pedestal.	Cum																		
2018	Providing and laying 300mm thick dry stone backing in foundation, abutment, pier, abutment, well kerb, well cap, pier cap, jacking, dirt well, return wall, wing wall, fly wing wall, retaining wall, approach slab, foot path slab, wearing course, ballast retainers, RCC railing, inspection platform, pedestal.	Sqm																		
2019	Providing two coats of coat tar epoxy of 150 to 200 micron on R.C.C. substructure of abutments, wing walls, return walls consisting of masonry work as per specification provided in the drawings.	Sqm	1,656.23	3,62,499.84		16,412.36	35,92,173.86	8,607.03	18,63,820.66	13,175.01	28,83,614.88	10,018.49	21,92,747.34							
2020	Providing and fixing bridge plaque.	Each																		
2021	Boring in all soils except hard rock and big big hard rock and/or liquid mud/under four position including cost of pumping or bailing out water and removing slush etc complete.	Each																		
2022a	1000 MM dia pile	Meter	1,055.49	88,20,977.25		805.62	74,25,680.35	2,044.07	1,88,40,938.27	868.49	80,05,212.64									
2022b	1000 MM dia pile	Meter																		
2023a	1200 MM dia pile	Meter	180.32	7,61,511.76		107.39	4,53,533.60	304.29	12,85,065.36	161.45	6,81,808.07									
2023b	1200 MM dia pile	Meter																		
2024	Conducting load testing on single pile or on multiple piles.	Each	2.00	12,39,390.00		3.00	18,59,085.00	1.00	6,19,695.00											
2024a	Initial vertical load test	Each																		
2024b	Final vertical load test	Each																		
2025	Supplying and filling sand in wellbox etc.	Cum	885.10	2,56,578.63		191.08	49,767.65	952.25	2,49,023.95	3,033.67	7,90,149.43	539.06	1,40,403.57							
2026	Providing and fixing of 100 mm dia PVC pipe for manholes.	Meter	536.96	1,49,383.38		888.26	2,38,768.77	1,008.81	2,80,651.50	1,547.28	4,30,452.46	1,131.86	3,14,883.45							
2027	Providing and placing sand/earth filled bags in foundation, abutment, pier, abutment, well kerb, well cap, pier cap, jacking, dirt well, return wall, wing wall, fly wing wall, retaining wall, approach slab, foot path slab, wearing course, ballast retainers, RCC railing, inspection platform, pedestal.	Each																		
2027a	Rail piling upto 5m depth to protect the existing embankment with rails of any section	Meter																		
2027b	Rail piling beyond 5m depth to protect the existing embankment with rails of any section	Meter																		
2028	Random rubble masonry	Cum																		
2028a	1000 mm dia Pipe	Meter																		
2028b	1000 mm dia Pipe	Meter																		
2028c	1000 mm dia Pipe	Meter																		
2028d	1000 mm dia Pipe	Meter																		
2028e	1000 mm dia Pipe	Meter																		
2028f	1000 mm dia Pipe	Meter																		
2028g	1000 mm dia Pipe	Meter																		
2028h	1000 mm dia Pipe	Meter																		
2028i	1000 mm dia Pipe	Meter																		
2028j	1000 mm dia Pipe	Meter																		
2028k	1000 mm dia Pipe	Meter																		
2028l	1000 mm dia Pipe	Meter																		
2028m	1000 mm dia Pipe	Meter																		
2028n	1000 mm dia Pipe	Meter																		
2028o	1000 mm dia Pipe	Meter																		
2028p	1000 mm dia Pipe	Meter																		
2028q	1000 mm dia Pipe	Meter																		
2028r	1000 mm dia Pipe	Meter																		
2028s	1000 mm dia Pipe	Meter																		
2028t	1000 mm dia Pipe	Meter																		
2028u	1000 mm dia Pipe	Meter																		
2028v	1000 mm dia Pipe	Meter																		
2028w	1000 mm dia Pipe	Meter																		
2028x	1000 mm dia Pipe	Meter																		
2028y	1000 mm dia Pipe	Meter																		
2028z	1000 mm dia Pipe	Meter																		
2029	Random rubble masonry	Cum																		
2029a	Random rubble masonry	Cum																		
2029b	Random rubble masonry	Cum																		
2029c	Random rubble masonry	Cum																		
2029d	Random rubble masonry	Cum																		
2029e	Random rubble masonry	Cum																		
2029f	Random rubble masonry	Cum																		
2029g	Random rubble masonry	Cum																		
2029h	Random rubble masonry	Cum																		
2029i	Random rubble masonry	Cum																		
2029j	Random rubble masonry	Cum																		
2029k	Random rubble masonry	Cum																		
2029l	Random rubble masonry	Cum																		
2029m	Random rubble masonry	Cum																		
2029n	Random rubble masonry	Cum																		
2029o	Random rubble masonry	Cum																		
2029p	Random rubble masonry	Cum																		

