

Construction of 31.828m (1x30.488m) long P.C Girder Bridge (28 Battalion Sitarghat Bridge) at 44th km (Ch. 43+312.741) and Double Vent 2x4.00m (clear) Length & 3.00m (clear) Height R.C.C Box Culvert with U-type Wing Wall at Ch. 42+500 on Chittagong-Kaptai (R-164) under Chittagong Road Division during the year 2017-2018.

Tender ID. 170334

Invitation Reference No.- e-gp/PMP Bridge/CZ-15-R/CTG/Ctg Zone/2017-2018; Package No- e-gp/PMP Bridge/CZ-15-R/CTG/Ctg Zone/2017-2018

Rate Comparison

Sl. No	Item Code No.	Description of Item	Quantity	Unit	Estimated Rate as per RHD Schedule of	Amount (Taka)	Saleh Ahmed-M.A.H. Construction Ltd. (JV)	Remarks
							Quoted Rate	Dif. Of Quoted Rate & SoR 2015
Division: 1 : General & Site Facilities.								
1	01/02/01	Supply, Erect & Remove Field Office for Engineer	1.000	Months	249497.00	249,497.00	249497.109	0.000%
2	01/02/02	Maintenance, Staffing, Security & Cleaning of the Field Office for the Engineer.	9.000	Months	11000.00	99,000.00	11001.225	0.011%
3	01/02/04	Provision, Maintenance and Removal of Sign Boards.	2.000	L.S	8849.00	17,698.00	8849.159	0.002%
4	01/02/05	Provision & Maintenance of survey equipment.	9.000	Months	897.00	8,073.00	897.206	0.023%
5	01/02/07	Progress Photographs.	9.000	Months	1000.00	9,000.00	1000.078	0.008%
6	01/03/01	Provide & remove site Laboratory & equipment.	1.000	L. S	331843.00	331,843.00	331843.244	0.000%
7	01/03/02	Maintain Site Laboratory.	9.000	Months	7699.00	69,291.00	7699.014	0.000%
Total =						784,402.000	784,416.378	0.002%
Rate is justified with respect to current market price of labor, materials and equipment								
Division: 2 : Earth Works								
1	02/01/01	Clearing & Grubbing.	910.00	Sq M	45.00	40,950.00	45.001	0.002%
2	02/02/03	Roadway Excavation in Existing pavement (not reinforced concrete).	512.22	Cu M	265.00	135,738.300	265.001	0.000%
3	02/04/01	Channel Excavation in Unsuitable Materials.	621.71	Cu M	173.00	107,555.830	173.002	0.001%
4	02/05/01	Excavation and Backfill for Structures.	1,210.02	Cu M	360.00	435,607.200	380.002	5.556%
5	02/05/03	Sand Backfill for Structures.	781.14	Cu M	1174.00	917,058.360	1,174.001	0.000%
6	02/06/02	Embankment Fill from Borrow pit in Contractor's Arranged Land.	12,734.75	Cu M	309.00	3,935,037.750	305.009	-1.292%
7	02/07/02	Preparation of Sub-grade 450 mm Depth.	2,335.00	Sq M	103.00	240,505.000	103.031	0.030%
8	02/08/01	Improved Sub-grade.	539.63	Cu M	916.00	494,301.080	916.002	0.000%
9	02/10/01	Construction of Soil Earthen Shoulders.	741.00	Cu M	259.00	191,919.00	259.001	0.000%
10	02/12/01	Sub-grade Drains.	19.20	Lin. M	270.00	5,184.00	270.001	0.000%
Total =						6,503,856.520	6,477,312.623	-0.408%

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 প্রোগ্রামার
 নতুন পরিদপন ও মহাসড়ক বিভাগ
 নতুন পরিদপন ও সেতু মহালয়
 গণপ্রজাতন্ত্রী বাংলাদেশ সরকার

Name of Work Construction of 31.828m (1x30.488m) long P.C Girder Bridge (28 Battalion Sitarghat Bridge) at 44th km (Ch. 43+312.741) and Double Vent 2x4.00m (clear) Length & 3.00m (clear) Height R.C.C Box Culvert with U-type Wing Wall at Ch. 42+500 on Chittagong-Kaptai (R-164) under Chittagong Road Division during the year 2017-2018.

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Rate Comparison

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Division : 3 : Pavement work										
1	03/02/01	Sub-Base	11.00	Cu M	4361.00	47,971.000	4,355.001	47,905.011	-0.138%	Rate is justified with respect to current market price of labor, materials and equipment
2	03/02/01b	Sub-Base (with Salvage)	360.25	Cu M	2149.00	774,177.250	2,230.748	803,626.967	3.804%	
3	03/03/01	Aggregate Base Type-I.	290.25	Cu M	6566.00	1,905,781.500	6,530.001	1,895,332.790	-0.548%	
4	03/06/01b	Bituminous Prime Coat (Hand Placed)	1620.00	Sq M	121.00	196,020.000	121.002	196,023.240	0.002%	
5	03/07/01b	Bituminous Tack Coat (Labour intensive Work)	945.00	Sq M	44.00	41,580.000	44.025	41,603.625	0.057%	
6	03/11/01	Premix Bituminous Carpeting	74.25	Cu M	16224.00	1,204,632.000	16,222.004	1,204,483.797	-0.012%	
7	03/12/02	12mm Compacted Premix Bituminous Seal Coat.	1620.00	Sq M	166.00	268,920.000	180.002	291,603.240	8.435%	
8	03/13/01	Brick on End Edging.	680.00	Lin M	103.00	70,040.000	95.006	64,604.080	-7.761%	
9	03/13/02	Single Layer Brick Flat Soling including 75mm thick	715.00	Sq M	478.00	341,770.000	474.003	338,912.145	-0.836%	
10	03/13/03	Herring Bond Brick Pavement including 12mm Sand Cushion.	715.00	Sq M	633.00	452,595.000	632.004	451,882.860	-0.157%	
Total =						5,303,486.750		5,335,977.755	0.613%	
Division : 4 : Foundation work										
1	04/01/01c	Bored pile cast in place piles (dia 750 mm).	1004.00	Lin M	7214.00	7,242,856.000	7,213.645	7,242,499.580	-0.005%	
2	04/01/04	High Yield deformed steel Reinforcing Bars.	70.84	M Ton	95236.00	6,746,518.240	95,235.996	6,746,517.957	0.000%	
3	04/04/01c	Load test on cast in place piles (For 200 Ton).	2.00	Nos.	274951.00	549,902.000	274,950.731	549,901.462	0.000%	
4	04/06/01d	Driven Bullah pile (200-225 mm dia).	320.00	Lin M	817.00	261,440.000	816.089	261,148.480	-0.112%	
Total =						14,800,716.240		14,800,067.479	-0.004%	

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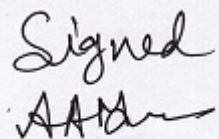
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Rate Comparison

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Division : 5 : Structure										
1	05/01/01	Single Layer Brick Flat Soling.	158.86	Sq M	468.00	74,346.480	483.021	76,732.716	3.210%	
2	05/01/02a	Concrete Class as Detailed on Drawings (Class-10).	31.47	Cu M	8466.00	266,433.486	8,466.006	266,433.675	0.000%	
3	05/01/02g	Concrete Class-25 (Foundation). Concr. Mixer	264.50	Cu M	12379.00	3,274,195.984	12,374.001	3,272,873.768	-0.040%	
4	05/01/02h	Concrete Class-25 (Vertical Member, Col., Pier, Abutment/ Wing wall, Culverts etc). (Concrete Mixer)	105.54	Cu M	14224.00	1,501,158.288	14,224.068	1,501,165.465	0.000%	
5	05/01/02i	Concrete Class-25(Girder, Beam,Cross Girder and Diaphragm etc.)	13.54	Cu M	16581.00	224,523.321	16,581.007	224,523.416	0.000%	
6	05/01/02e	Concrete Class-20 (Deck slab, Side walk, Wheel guard, Curb etc).	38.34	Cu M	14177.00	543,517.826	14,174.004	543,402.965	-0.021%	
7	05/01/02f	Concrete Class-20 (Rail & Post).	4.95	Cu M	16862.00	83,517.486	16,862.003	83,517.501	0.000%	
8	05/01/02k	Concrete Class-30(Deck slab, Side walk, Wheel guard, Curb etc).	128.04	Cu M	15526.00	1,987,886.936	15,526.002	1,987,887.192	0.000%	
9	05/01/02l	Concrete Class-35 (Wearing Course).	15.22	Cu M	24067.00	366,227.539	24,067.002	366,227.569	0.000%	
10	05/01/02m	Concrete Class-40 (Pre-Stressed Girder)	150.43	Cu M	24558.00	3,694,259.940	24,554.003	3,693,658.671	-0.016%	
11	05/02/02	High Yield Reinforcement Bars.	105.96	M Ton	95236.00	10,091,206.560	95,234.002	10,090,994.852	-0.002%	
12	05/02/03	Wire Mesh Reinforcement.	0.41	M Ton	85456.00	35,036.960	85,456.002	35,036.961	0.000%	
13	05/03/01	Pre-stressing wire or Strand.	7.72	M Ton	273590.00	2,112,114.800	273,590.012	2,112,114.893	0.000%	
14	05/05/01	New and Extend Brick Work	104.00	Cu M	7408.00	770,432.000	7,408.004	770,432.416	0.000%	
15	05/08/01	Expansion joint complete as detailed on drawing in the location described in BoQ.	20.50	Lin M	10500.00	215,250.000	10,500.015	215,250.308	0.000%	
16	05/13/01b	Neoprene rubber bearing or elastomeric bearing supplying & fitting fixing (b) etc.	10.00	Nos	19,334.00	193,340.000	19,334.001	193,340.010	0.000%	
17	05/14/01b	Double Single Bailey Bridge or Acrow panel (Erecting and Assembling).	30.48	Cu M	3065.00	93,421.200	3,065.963	93,450.552	0.031%	
18	05/14/02b	Double Single Bailey Bridge or Acrow panel (De-launching).	60.96	Lin M	1955.00	119,176.800	1,954.951	119,173.813	-0.003%	
19	05/16/01	Dismantling of deck slab, thickness 175mm.	192.00	Lin M	5998.00	1,151,616.000	5,995.002	1,151,040.384	-0.050%	
Total =						26,797,661.606		26,797,257.127	-0.002%	

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Division: 6 : Incidental										
2	06/05/02	Road Marking - Road Marking Paint	43.60	Sqm	412.00	17,963,200	412.023	17,964,203	0.006%	Rate is justified with respect to current market price of labor, materials and equipment
3	06/07/02	Grass Turfing.	1500.00	Sqm	37.000	55,500,000	36.825	55,237,500	-0.473%	
4	06/10/01	Traffic Signs.	21.00	Nos	6901.000	144,921,000	6,901.007	144,921,147	0.0009%	
5	06/10/02	Sign Post.	21.00	Nos	3073.000	64,533,000	3,073.055	64,534,155	0.002%	
6	06/13/01b	Bullah Palisading (Local Bullah: 150mm-200mm).	100.00	Lin M	7034.00	703,400,000	7,034.016	703,401,600	0.0009%	
7	06/15/01	Concrete Guide Post (1.6 m long, 200mm dia)	260.00	Nos	2068.000	537,680,000	2,056.556	534,704,560	-0.553%	
9	Chittagong Zonal Rate Scheulde (Approved)	Providing rain water down pipe including placing in position and cost of all materials as per drawing and direction of the Engineer in charge. 38mm dia G.I. Pipe.	85.20	Lin M	343.71	29,284,090	342.905	29,215,506	-0.234%	
10	Chittagong Zonal Rate Scheulde (Approved)	Loading, unloading of materials into trucks, boats, carts and Railway wagon except heavy joist, girder and trusses etc. including stacking properly.	78.03	M Ton	94.99	7,411,880	74.772	5,834,310	-21.284%	

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11	Chittagong Zonal Rate Schedule (Approved)	Carriage of heavy materials like Steel Trusses, Bailey/Accrowpanel and Steel Bridge parts etc. by Truck or Carts as per direction of the Engineer in charge. (Distance will be measured through shortest route.) (upto 50 KM).	78.03	M Ton	556.07	43,389,030	555.531	43,346,973	-0.097%	Rate is justified with respect to current market price of labor, materials and equipment
12	Market Rate	Supplying best quality Bailey Bridge Steel Nut Bolt including fitting fixing etc. complete as per direction of the E/Ch. (Size of Nut & Bolt 13mm and below).	500.00	KG	145.00	72,500,000	145.028	72,514,000	0.019%	
						Total =		1,671,673,954	-0.293%	
						Grand Total =		55,866,705,316	0.000%	
							10%	5,586,670,532		
						Grand Total after discount =		50,280,034,784	-10.000%	
Unconditional Discount Form										

সর্বনিম্ন দরদাতা Saleh Ahmed-M.A.H. Construction L.Td. (JV) এর উদ্ধৃত দর প্রাক্কলিত মূল্য হতে ১০% নিম্ন দর যা বর্তমান বাজার দর অনুযায়ী উক্ত কাজে অধিক পরিমাণে ব্যবহৃত মালামাল (যেমন- পাথর, সিমেন্ট, রড, মাটি, বালি, বিটুমিন ইত্যাদি) বর্তমান বাজার দরের সাথে সংপতিপূর্ণ। দরদাতার সংশ্লিষ্ট ডকুমেন্ট পর্যালোচনা করে দেখা যায় যে, উক্ত কাজে ব্যবহৃত যন্ত্রপাতিসমূহ তার নিজস্ব রয়েছে বিধায় দরদাতাকে যন্ত্রপাতি ভাড়া করতে হবে না। সার্বিক বিবেচনায় সর্বনিম্ন দরদাতা Saleh Ahmed-M.A.H. Construction L.Td. (JV) এর উদ্ধৃত দরে Specification অনুযায়ী কাজের পূর্ণগত মান বজায় রেখে কাজটি সমাপ্ত করা সম্ভব বলে TEC একমত পোষণ করেন।

(Md Atiq Hossain Khan)
Additional Chief Engineer, RHD
Chittagong Zone, Chittagong
& Chairperson, TEC.

Signed
A.A.H.
কাজী আব্দুল আল-মামুন
যোগাযোগ
পতন পরিচালনা ও মহাপ্রকল্প বিভাগ
পাক্ষিক পরিদর্শন ও সেতু মন্ত্রণালয়
গণপ্রজাতন্ত্রী বাংলাদেশ সরকার