



MADHYA PRADESH ROAD DEVELOPMENT CORPORATION LTD.

(Govt. of M.P. under taking)

PWD Office Campus, in front of Navneet Tower Greater Kailash Road,
Old Palasia, Indore (M.P.) **Tale Fax** : +91-731-2495070
E-mail : divrcind-mp@nic.in.

No. /MPRDC/2010

Indore, Dated

WORK ORDER

To,

M/s Rathor construction,
A-IV Class Contractor,
92-Pratap Nager
Ratlam (M.P.)

Sub : Tender for Reconstruction of C.D. at km. 32/2 on Badnawar-Thandla Road SH-18.

P.A.C. Rs. 16.25 Lacks.

Ref : 1. This Office Letter No. 990/MPRDC/2010 Indore Dated -2010.
2. Agreement No. 04/2010-11.

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Dear Sir,

Percentage rate tender submitted by you @ 16.75% (One six Point Seven five Percentage) below S.O.R. of Road & Bridge work, issued by Engineer-in-Chief M.P. PWD, Bhopal in force from 15-04-2009 and amendment up to date, has been accepted by the this office on behalf of Governor of M.P.

You have also signed the agreement, hence commence the work and complete the same within stipulated period of 3 Month (Three Month) including rainy season from the date of issue of this work order please.

Encl.: 1 Schedule.

SD
Divisional Manager
MPRDC Ltd. Indore
Indore, Dated 13/09/2010

Endt. No. 1061 /MPRDC/2010

Copy to:-

1. The Chief Engineer, MPRDC, 16-A, Arera Hills Bhopal for information please.
2. The DGM (MIS) MPRDC, Bhopal for information. Please upload this work order in MPRDC website.
3. Shri B.C. Tentwal, AGM, MPRDC Indore for information & necessary action please.
4. Shri J.S. Damor, Manager, MPRDC Sardarpur for information & necessary action please.

Encl.: 1 Schedule.



[Signature]
Divisional Manager
MPRDC Ltd. Indore

Schedule for Reconstruction of C D
at KM. 32/2, on Badnawar to Thandla Road

PAC Rs 1624483.3


S. No.	SOR No.	Item of Work	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
	B1	FOUNDATION				
1	2.3	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead upto 1000 metres and as per relevant clauses of section-200 in				
	(i)	Concrete				
	a)	Lime Concrete, cement concrete grade M-10 and below	16.2	Cum	166	2689.2
	b)	Cement Concrete Grade M-15 & M-20	14.85	Cum	191	2836.35
	c)	Prestressed / Reinforced cement concrete grade M-20 & above				
	(ii)	Tile work/brick masonry				
	a)	In lime mortar				
	(iii)	Stone Masonry				
	a)	Rubble stone masonry in lime mortar				
	b)	Rubble stone masonry in cement mortar.	53.46			
			46.8			
			100.26	Cum	141	14136.66
2	1.1A	Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material etc. and as per relevant clauses of section 300 & 2100 in				
	I	Soil				
	(i)	upto 3 m depth				
		Pier	0			
		Abutment	202.752			
		Return	72			
			274.75	Cum	94	25826.7
	(ii)	3 to 6 m depth				
		Pier	0			
		Abutment				
		Return				
			0.00			0.0
	II	Ordinary rock/ Large boulder each more than 0.03 cum. Volume (if blasting is required)				
	(i)	Depth upto 3 m from av. Ground level				
		Pier	0			
		Abutment	48.0480			
		Return	13.44			
			61.49	Cum	333	20475.5
3	1.3	Providing Plain cement concrete M-10 nominal mix in foundation as per relevant clauses of sections 1500, 1700 and 2100				
		Pier	0			
		Abutment	10.1376			
		Return	2.88			

S. No.	SOR No.	Item of Work	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
			13.02	Cum	2652	34522.7
4	1.6	Providing and laying Plain/Reinforced cement concrete in open foundation including form work shuttering etc. complete as per drawing and technical specifications and as per relevant clauses of sections 1500, 1700 & 2100 with .				
	b)	PCC Grade M-20				
		Abutment Footing	13.9920			
		Abutment	83.6352			
		Return Footing	4.0320			
		Return	22.5360			
			124.1952	Cum	3567	443004.3
5	1.27	Supplying, fitting and placing un-coated HYSD bar reinforcement in foundation complete as per drawing and technical specifications and as per relevant clauses of sections 1600.				
		Pier	0			
		Abutment	0.9100			
		Return	0.84			
			1.75	MT	44291	77509.3
	B2	SUB STRUCTURE				
1	2.5	Providing and laying Plain/Reinforced cement concrete in sub-structure or complete RCC Box section as per drawing and technical specifications and as per relevant clauses of sections 1500, 1700 & 2200 in (Height above average ground level)				
	B	PCC Grade M20				
	a)	Height upto 5m				
		Pier				
		Pier-cap				
		Abutment	44.9552			
		Abutment cap	0.0000			
		Abutment dirtwall	4.3200			
		Return	10.8800			
			60.1552	Cum	3567	214573.7
2	2.6	Supplying, fitting and placing HYSD bar reinforcement in substructure complete as per drawing and technical specifications and as per relevant clauses of sections 1600.				
		Pier	0			
		Abutment	0.9179			
		Return	0.4335			
			1.35	Cum	44344	59928.1
3	2.8	Providing weep holes in Brick masonry/Plain/Reinforced concrete abutment, wing wall/return wall with 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V :20H towards drawing face. Complete as per drawing and Technical specifications and as per clause 2706 of specifications.				
			95	mtr.	98	9310
4	2.9	Providing Back filling behind abutment , wing wall and return wall with Granular Material complete as per drawing and Technical specification and as per relevant clauses 305 of specifications and as per appendix 6 of IRC-78				
			352.5	Cum	415	146287.5
5	2.15	Providing and fixing in position bituminous paper bearing for slabs as per approved drawing and confirming to IS:1398.				
		Pier	0			
		Abutment	9.6000			

S. No.	SOR No.	Item of Work	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
			9.60	sqm	43	412.8
	B3	SUPER STRUCTURE				
1	3.1	Providing and laying Reinforced/Prestressed cement concrete in superstructure as per drawing and Technical Specification and as per relevant clauses of sections 1500, 1700 and 2300 in				
	C	RCC Grade M 30				
	(i)	For solid slab super-structure				
	a)	Height upto 5m				
		Deck	19.2000			
		Kerb	1.3200			
			20.5200	Cum	4641	95233.3
2	3.2	a) Supplying, fitting and placing HYSD bar reinforcement in superstructure complete as per drawing and technical specifications as per relevant clauses of section 1600 of specifications.		1 tonne	44976	44976
3	3.4	Providing and laying Cement concrete wearing coat M-30 grade including reinforcement complete as per drawing and Technical Specifications and as per relevant clauses of sections 1500, 1700 and Clause 2702 of specifications.	3.27	Cum	7130	23315.1
4	3.7	Construction of RCC railing of M30 Grade in-situ with 12 mm nominal size aggregate, true to line and grade, tolerance of vertical RCC post not to exceed 1 in 500, centre to centre spacing between vertical post not to exceed 2000 mm, leaving adequate space between vertical post for expansion, complete as per approved drawings and technical specifications and as per relevant clauses of sections 1500, 1600, 1700 and clause 2703 of specifications (as per MoST specification drawing SD/201 or SD/304)		8 mtr.	1167	9336
5	3.9	Providing Drainage Spouts complete as per drawing and Technical specification and as per clause 2705 of specifications.		4 each	722	2888
6	3.10	Providing PCC M15 Grade leveling course below approach slab complete as per drawing and Technical specification and as per relevant clauses of section 1700.	11.445	Cum	3117	35674.065
7	3.11	Providing and laying Reinforced cement concrete approach slab in M-25 grade concrete including reinforcement and formwork complete as per drawing and Technical specification and as per relevant clauses of section 1500, 1600, 1700 and clause 2704 of specifications.	22.89	Cum	6059	138690.51
8	3.15	Providing and laying of asphaltic plug joint to provide for horizontal movement of 25 mm and vertical movement of 2 mm, depth of joint varying from 75 mm to 100 mm, width varying from 500 mm to 750 mm (in traffic direction), covered with a closure plate of 200mm x 6mm of weldable structural steel conforming to IS: 2062, asphaltic plug to consist of polymer modified bitumen binder, carefully selected single size aggregate of 12.5 mm nominal size and a heat resistant foam caulking/backer rod, all as per approved drawings and specifications and as per relevant clauses of section 2600		24 mtr.	819	19656

S. No.	SOR No.	Item of Work	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
1	2.2	Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned up to a lead of 1000 metres including removal and disposal of top organic soil not exceeding 150 mm in thickness if required and as per relevant clauses of section-200.				
	a)	In area of light jungle	0.07	Hect.	19095	1336.65
2	3.1	Excavation for roadway in soil including loading in truck for carrying of cut earth to embankment site with all lifts and lead upto 1000 metres and as per relevant clauses of section-300	420	m ³	69	28980
3	3.11	Construction of embankment/subgrade with approved material/selected soil having CBR >5 (Unless specified otherwise in the contract) obtained from excavation of borrow pits i/c all lifts & leads upto 250 M. i/c grading to required slope & camber and compacting using vibratory roller of 80 to 100 kN static weight to meet requirement of Table 300.1, 300.2 and as per relevant clause of section 300.	350	m ³	134	46900
4	4.1	Construction of granular sub-base by providing coarse graded material, spreading in uniform layers with on prepared surface, mixing by mix in place method at OMC, and compacting with vibratory roller to achieve the desired density, complete in all respect and as per relevant clauses of section-400				
	i)	for grading- I Material	84	m ³	505	42420
5	2.17	Providing and Laying Reinforced cement concrete pipe NP4/prestressed concrete pipe for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets and as per relevant clauses of section-2900				
	a)	1000 mm dia	15		5571	83565
						1624483.3


Manager
MPRDC Inc


AGM
MPRDC Indore


Divisional Manager
MPRDC Indore