

Tender Inviting Authority: Engg-in Chief RWD Patna

Name of Work: Construction of Road & CD Works Under (Road name) :

BIHATOTAR HIGH
SCHOOL TO
SUKSENA

Contract No: Civil Works/

Bidder
Name:

Excess (+) %

SCHEDULE OF WORKS

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate Figure	AMOUNT Rs. P
1	Clearing and Grubbing Road Land including uprooting wild vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300mm. removal of stumps of such trees cut earlier and unseviceable materials & stacking of serviceable materials to be used or auctioned upto a lead of 1000m including removal and disposal of top organic soil not exceeding 150mm in thickness as per technical specification(clause201.1)	0.30	Hec.	49496.70	14849.01
2	Scarifying the existing bitumious road surface to depth of 150 mm and disposal of scarified material with in all lifts upto 3 m and lead upto 1000 meters. As per Technical specification Clause 303.1	168.75	Sqm	15.40	2598.75
3	Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table 300.2 with lead upto 1000 m as per Technical Specification Clause 303.1.	828.00	Cum	176.47	146117.16
4	Construction of granular sub-base by providing well graded material, spreading in uniform layers with tractor mounted grader arrangement on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.	108.59	Cum	2622.61	284776.11

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Works Division, Dhamdaha (Purnea)

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate Figure	AMOUNT Rs. P
5	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 kN static roller in stages to proper grade and camber, applying and brooming, crushable screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 2 as per Technical Specification Clause 405.	58.67	Cum	4692.15	275302.52
6	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 kN static roller in stages to proper grade and camber, applying and brooming, crushable screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405.	63.05	Cum	4454.76	280872.62
7	Providing and applying primer coat with bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70-1.0 kg/sqm using mechanical means as per Technical Specification Clause 502	840.70	Sqm	42.63	35839.04
8	M.S.S. Providing, laying and rolling of close graded premix surface material of 20 mm thick composed 11.2 mm to 0.9 mm (Type A) or 13.2 mm to 0.09 mm (Type B) aggregate using penetraiotn grade bitumen to required line, grade and level to serve as wearing course on a previously base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static roller and finishing to required level and graded as per Technical Sepecification Clouse 509 Type B.	840.70	Sqm	209.94	176496.56
9	Providing and applying tack coat with bitumen emulsion (RS) using emulsion distributor @ 0.2 to 0.25 kg per sq m on the prepared bituminous surface cleaned with hydraulic broom as per technical specification clause 503.	7666.61	Sqm	14.44	110705.85


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Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate Figure	AMOUNT Rs. P
10	Providing and lying Bituminous Macadam concrete with 100 - 120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder, transported to site, laid over a previously prepared surface with mechanical sontrol paver finisher to the required grade level and alignment and rooled as per Clause 501.6 501.7 to achieve the desired compaction.	170.44	Cum	9019.21	1537234.15
11	Providing and lying semi dense bituminous concrete with 100 - 120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder, transported to site, laid over a previously prepared surface with mechanical sontrol paver finisher to the required grade level and alignment and rooled as per Clause 501.6 501.7 to achieve the desired compaction.	85.22	Cum	10573.73	901093.27
12	Reinforced cement concrete M15 grade kilometre stone/local stone of standard design as per IRC:8 fixing in position including painting and printing, etc as per drawing and Technical Specification Clause 1703				
i)	KM STONE	2.00	Nos.	2564.26	5128.52
ii)	200 ni stone (precast)	7.00	Nos.	682.95	4780.65
13	Providing and erecting direction and place identifications of semi reflective sign boards as per IRC:67 made of 2 mm thick M.S. Sheet duly stove enameled paint in white colour in front and grey colour on back with red reflective border of 70 mm width and required message, letters, figures with reflective engineering grade tape as per MORD specifications of required shade and colour. Supported and welded on 47 mm x 47mm of 12 SWG Square tube of 3050 mm height duly strengthened by 25 mm x 5 mm M/s flat iron on edges on back firmly fixed to the ground by means of properly designed foundations with M-15 grade cement concrete 450 mm x 450 mm x 600 mm, 600 mm below ground level as per approved drawing and Technical Specification Clause 1701	1.92	Nos.	12600.04	24192.08


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Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate Figure	AMOUNT Rs. P
14	Traffic Sign Providing and fixing of semi reflective cautionary, mandatory and informatory sign board as per IRC 67 made of 1.5 mm thick MS Sheet duly stove white colour in front and gray colour on back with red reflective border of 65 mm width and required letters and figures with reflective tape engineering grade as per Clause 1701.3.9 of MORD for Rural Roads of required shade and colour supported and welded on 47mm x 47 mm x 12 SWG sheet tube firmly fixed to the ground by mean of properly designed foundations with M-15 grade cement concrete 450x450x600 mm, 600 mm below ground level as per approved drawing Clause 1701.2.2				
i)	600 mm equilateral	25.00	Nos.	3782.74	94568.50
ii)	600 mm Circular	14.00	Nos.	3916.46	54830.44
iii)	600 x 450 rectangular	6.00	Nos.	3786.05	22716.30
iv)	900 MM Side Octagon	6.00	Nos.	7818.77	46912.62
15	Providing and laying of hot applied (Thermoplastic compound 2.5 mm thick including reflectorising glass beads @250gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35, The finished surface to be level, uniform and free streaks and holes.	7.50	Sqm	771.83	5788.73
16	Reinforced cement concrete M15 grade boundary pillars local stone of standard design as per IRC25 fixed in position including finishing and lettering but excluding painting as per drawing and technical specification clause 1704	56.00	Nos.	557.22	31204.32
17	Printing new letter and figures of any shade with synthetic enamel paint black or any other approved colour to give an even shade as per drawings and Technical Specification Clause 1701	352.00	per Lette	0.51	179.52
18	Planting of tree by the road side (Avnue trees) in 0.60 m dia hole 1 m deep in dug in the ground mixing on the soil with decelered farm yard /sludge manure planting the shapling backfilling the trench watering fixing the tree guard and mainting the plant one years.	45.00	Each	800.30	36013.50


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Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate Figure	AMOUNT Rs. P
19	Providing and laying of hot applied (Thermoplastic compound 2.5 mm thick including reflectorising glass beads @250gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free streaks and holes.	180.00	Sqm	771.83	138929.40
20	(III) brda logo" and maintenance logo Bord Providing and fixing of typical Project informatory sign board with Logo as per MORD specifications and drawing. Three MS Plates of 1.6 mm thick, top and middle plate duly welded with MS flat iron 25mm x 5m size on back on edges. The lower plate will be welded with MS angle iron frame of 25mm x 25mm x 5mm. The angle iron frame of the lower most plate and flat iron frame of middle plate will be welded to 2 nos. 75mm x 75 mm of 12 SWG sheet tubes posts duly embedded in cement concrete M-15 grade blocks of 450mm x 450mm x 600mm, 600mm below ground level. The top most diamond plate will be welded to middle plate by 47mm x 47mm of 12 SWG steel plate tube. All M.S. will be stove enameled on both sides. Lettering and printing arrows, border etc. will be painted with ready mixed synthetic enamel paint of superior quality in required shade and colour. All sections of framed posts and steel tube will be painted with primer and two coats of epoxy paint as per drawing Clause 1701 and Annexure 1700.1	2.00	Nos.	9816.67	19633.34
21	Brick masonry work in cement mortar (1:3) on parapet wall in substructure complete excepting pointing and plastering, as per drawing and technical specification Clauses 602, 603, 604, 1202 & 1204	2.88	Cum	7043.02	20283.90
22	Brick masonry work in cement mortar (1:3) in open foundation complete excepting pointing and plastering, as per drawing and technical specification Clauses 602, 603, 604, 1202 & 1204	6.13	Cum	6903.50	42332.26
23	Plastring With Cement Motor (1:4) on brick work in sub structure as per technical specification	103.04	Sqm	205.50	21174.72


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Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate Figure	AMOUNT Rs. P
24	Painting two coats including primer coat after filling the surface with synthetic enamel paint in all shades on new, plastered / concrete surfaces as per drawing and Technical Specification Clause 1701	58.56	Sqm	95.63	5600.09
25	Providing 1.5 mm cement painting including curing of water with all leads and litre as per building specification and direction of B/I	82.88	Sqm	44.94	3724.63
	TOTAL				4343878.56
	Add GST @ 12%				521265.43
	Add Labour Cess @ 1%				43438.79
	Add SAIGNORIOUS FEE				20088.52
	Total Construction Cost (A)=				4928671.30
	5 YEARS ORDINARY MAINTENANCE COST				
26	Ist Year	1.00	Year	99159.00	99159.00
27	II nd Year	1.00	Year	133526.00	133526.00
28	III rd Year	1.00	Year	289484.00	289484.00
29	IV th Year	1.00	Year	166427.00	166427.00
30	Vth Year	1.00	Year	310837.00	310837.00
	Total				999433.00
	Add GST @ 12%				119931.96
	Add Labour Cess @ 1%				9994.33
	Total of Cost (B) =				1129359.29
	Total Cost (A+B) =				6058030.59
	Total Estimated cost in figer				6058030.59
	Quoted Amount				6058031.00
	Quoted Rate in Words				

Revised BOB sanction for 60.32 Lac (Sixty Lacs
Thousand) Rupees only.

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अधीक्षण अभियंता
ग्रामीण कार्य विभाग
कार्य अंचल, पूर्णिया।

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