

कार्यपालक अभियंता का कार्यालय,
ग्रामीण कार्य विभाग, कार्य प्रमण्डल, हिलसा (नालन्दा)।

Email:- ee.hilsa.rwd@gmail.com

पत्र संख्या 650

हिलसा/दिनांक 04/05/2021

प्रेषक,

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमण्डल, हिलसा।

सेवा में,

नोडल पदाधिकारी,
MR 3054,
ग्रामीण कार्य विभाग, बिहार, पटना।

विषय:- नई अनुरक्षण निति 2018 शीर्ष के अंतर्गत वित्तीय वर्ष 2020-21 में व्यय हेतु
आवंटन की मांग।

महाशय,

उपर्युक्त विषयक नई अनुरक्षण निति 2018 शीर्ष के अंतर्गत वित्तीय वर्ष 2020-21 में व्यय हेतु संलग्न विवरणी के अनुसार रू0 399.72446 (रू0 तीस करोड़ तीनानवें लाख बहत्तर हजार चार सौ छियालीस मात्र) रुपये का आवंटन उपलब्ध कराने की कृपा की जा ताकि किये गये कार्यों का भुगतान किया जा सके।

अनु:- यथोक्त।

विश्वासभाजन


4.5.2021

कार्यपालक अभियंता,
ग्रामीण कार्य विभाग,
कार्य प्रमण्डल, हिलसा।

Requisition Formate for Scheme Head - MR(3054) under Bihar Rural Road Maintenance Policy - 2018 (Initial Rectification and Surface Renewal)
Name of Works Division :- Hilsa

SI No.	Package No.	Name of Road	Project ID as per MIS	Administ rative Approval (AA) Letter No & Date	Administrative Approval (AA)		Agreement Amount (in Lakh)		Agreement No. & Date	Date of Completion as per Agreement	Actual Date of Completion	Value of IRI (in mm/km)	Thickness of Bitumen Layer (in mm)	Value of Bitumen Content in Percentage	Previous Total Allocated Amount (in Lakh)	up-to-date expenditu re as per MIS (in Lakh)	Requisition against work done (in Lakh)	Remarks
					Length (in km)	Amount of (in Lakh)	Initial Rectification with Surface Renewal (in Lakh)	5 Years Routine Maintenance (in Lakh)										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	RM/NA/HIL/ 19/0004	Ekamagar-Bihar Rd. to Dhangawan	1020080625	1826/24. 06.2019	3.770	114.27800	141.60149	34.56406	31/MBD/20 19-20	07.07.2020	30.04.2021	3177	25.00	5.00	0.00	0.00	141.06149	Complete
2	RM/NA/HIL/ 19/0004	Ekamagar-Bihar Rd. to Kasisa	10200802029	1826/24. 06.2019	3.210	60.98600	78.07956	28.27604	31/MBD/20 19-20	07.07.2020	02.04.2021	3560	25.00	5.00	0.00	0.00	78.07956	Complete
3	RM/NA/HIL/ 19/0001	Islampur silho road to bele via jatpur	1281010294	539/ 08.02.19	5.303	200.57100	180.04341	46.08200	20/MBD/20 19-20	02.12.2020	14.04.2021	3482	25.00	5.00	0.00	0.00	180.04341	Complete
TOTAL																	399.72446	

- Signed Hard Copy and Soft Copy (in Excel) of recorded IRI is enclosed.
- Up-to-date Physical Progress has been uploaded in MIS.

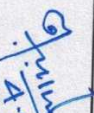

 Executive Engineer
 RWD, Works Division,
 Hilsa

CONT. NAME:-M/S MAGADH ENGINEERING WORKS
ROAD NAME:-EKANGAR BIHAR ROAD TO RASISA

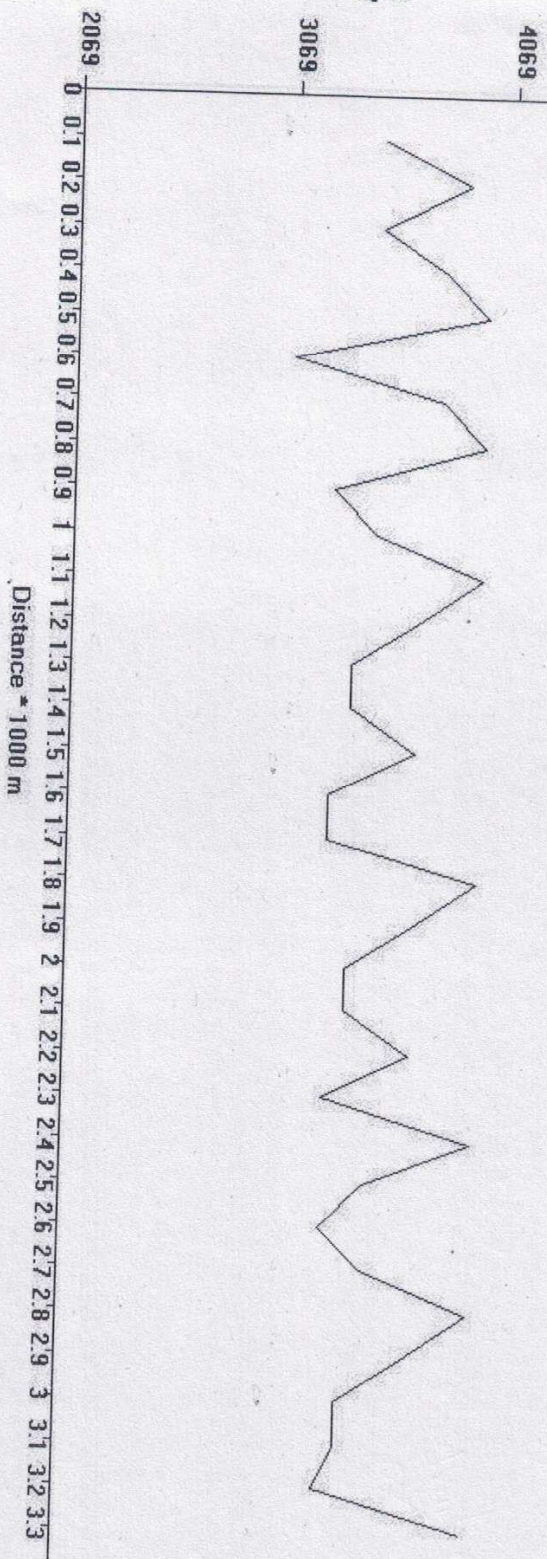
Date	Time	Section	Length	Bumps	Speed	OR	IRI	CATEGORY	Latitude	Longitude	Event
		No.	in km	in mm	Rate	mm/km	mm/km	ROAD			
2/4/21	12:12:0	93	0.1	300	10.1	3000	3462 G		25.213695	85.282322	Normal
2/4/21	12:12:24	93	0.1	340	20.2	3400	3856 G		25.21275	85.282357	Normal
2/4/21	12:12:24	93	0.1	300	10.1	3000	3462 G		25.211857	85.282238	Normal
2/4/21	12:13:0	93	0.1	330	20.2	3300	3757 G		25.211297	85.282205	Normal
2/4/21	12:13:0	93	0.1	350	10.1	3500	3954 G		25.211297	85.282205	Normal
2/4/21	12:13:35	93	0.1	260	10.1	2600	3069 G		25.209673	85.28207	Normal
2/4/21	12:16:31	93	0.1	330	0	3300	3757 G		25.20863	85.28202	Speed Breaker
2/4/21	12:17:6	93	0.1	350	10.1	3500	3954 G		25.20863	85.28202	Normal
2/4/21	12:17:6	93	0.1	280	20.2	2800	3265 G		25.20863	85.28202	Normal
2/4/21	12:17:42	93	0.1	300	20.2	3000	3462 G		25.20863	85.28202	Normal
2/4/21	12:17:42	93	0.1	350	10.1	3500	3954 G		25.20863	85.28202	Normal
2/4/21	12:18:17	93	0.1	320	20.2	3200	3659 G		25.20863	85.28202	Normal
2/4/21	12:19:0	93	0.1	290	20.2	2900	3364 G		25.203547	85.28047	Normal
2/4/21	12:19:16	93	0.1	290	20.2	2900	3364 G		25.202838	85.280823	Normal
2/4/21	12:20:3	93	0.1	320	10.1	3200	3659 G		25.20258	85.281565	Normal
2/4/21	12:20:38	93	0.1	280	20.2	2800	3265 G		25.201505	85.281565	Normal
2/4/21	12:21:0	93	0.1	350	10.1	3500	3954 G		25.199635	85.281565	Normal
2/4/21	12:21:13	93	0.1	320	20.2	3200	3659 G		25.199042	85.281565	Normal
2/4/21	12:21:13	93	0.1	290	20.2	2900	3364 G		25.198537	85.282592	Normal
2/4/21	12:22:0	93	0.1	290	20.2	2900	3364 G		25.197558	85.282575	Normal
2/4/21	12:22:0	93	0.1	320	10.1	3200	3659 G		25.197	85.282525	Normal
2/4/21	12:22:24	93	0.1	280	20.2	2800	3265 G		25.195763	85.282407	Normal
2/4/21	12:23:0	93	0.1	350	10.1	3500	3954 G		25.194847	85.282137	Normal
2/4/21	12:23:35	93	0.1	300	10.1	3000	3462 G		25.193878	85.281885	Normal
2/4/21	12:24:0	93	0.1	280	20.2	2800	3265 G		25.193072	85.28172	Normal
2/4/21	12:24:0	93	0.1	300	20.2	3000	3462 G		25.19214	85.28172	Normal

Handwritten signature and date:
 25.19.2021

2/4/21	12:24:45	93	0.1	350	10.1	3500	3954	G	25.191363	85.281565	Normal
2/4/21	12:25:0	93	0.1	320	20.2	3200	3659	G	25.190415	85.28148	Speed Breaker
2/4/21	12:25:20	93	0.1	290	20.2	2900	3364	G	25.189905	85.282238	Normal
2/4/21	12:26:0	93	0.1	290	20.2	2900	3364	G	25.189077	85.282222	Normal
2/4/21	12:26:31	93	0.1	280	20.2	2800	3265	G	25.188678	85.282995	Normal
2/4/21	12:27:6	93	0.01	350	10.1	3500	3954	G	25.187823	85.283013	Normal
TOTAL							3560				


 A-5-2021

File : C:\Users\DELL\Desktop\Bump\08_04.21\02041229.Xls. Section No. :93, Eqn. test
Name of Customer : M/S MAGADH ENGINEERING WORKS, Name of Work/ Road : EKANGAR BIHAR ROAD TO



4.5.2021

(Ministry of Rural Work Department, Govt. of Bihar)

NEW MAINTENANCE POLICY 2018

Bill of Quantities(Revised)

Road Name :-	Ekangarsarai -Bihar Road to Rasisa				
Length of Road	3200M	BLOCK :-	Islampur		
		DISTRICT :-	Nalanda		
S.No.	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
1	Clearing and Grubbing Road Land (By manual means) including uprooting wild vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300mm, removals of stumps of such trees cut earlier & disposal of unserviceable materials & stacking of serviceable materials to be used or auctioned upto a lead of 1000 m including removal and disposal of top organic soil not exceeding 150mm in thickness as per technical specification clause 201.1 and	0.803	Cum	47488.850	38109.80
2	Scarifying Existing Bituminous Surface to a Depth of 150 mm and disposal disposal of scarified materials with a lift upto 3m and lead upto 1000m as per technical specification clause 301.4	6620.625	Sqm	15.370	101759.01
3	Construction of Embankment with material obtained from borrow pits with a lift upto 1.5 m , transporting to the site spreading , grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lift upto 1000 m & 100 m as per Technical Specification Clause 301.5 . (Including Royalty & Labour Cess).				
4	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 & 100 m as per Technical Specification Clause 303.1. (Including Royalty & Labour Cess).	910.522	Cum	161.320	146885.41
5	Granular Sub-base with Well Graded Material-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.	236.395	Cum	1736.970	410611.02
6	WBM Grading2 :- Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 2 as per Technical	119.670	Cum	2530.150	302783.05

S.No.	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
7	WBM Grading 3 :- Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405	267.780	Cum	2664.830	713588.18
8	Prime Coat 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	3570.347	Sqm	42.090	150275.90
9	Tack Coat-Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared granular surface treated with primer and cleaned with hydriloc broom as per technical specification clause 503.	15083.600	Sqm	14.440	217807.18
10	Mix Seal Surfacing-Providing, laying and rolling of close-graded premix surfacing material of 20 mm thickness composed of 11.2 mm to 0.9 mm (Type-A) or 13.2 mm to 0.9 mm (Type-B) aggregates using penetration grade bitumen to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 8-10 kN static roller and finishing to required level and grades as per Technical Specification Clause 508	3570.350	Sqm	182.410	651267.54
11	Semi-Dense Bituminous Concrete -Providing and laying 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 @ 4.5 to 5 per cent of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth	287.831	Cum	8923.860	2568565.78
12	Cement Concrete Pavement-Construction of un-reinforced, jointed at expansion and construction joint only, plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh	122.400	Cum	6179.140	756326.74
13	Boundary Pillar-Reinforced cement concrete M15 grade boundary pillar/local stone of standard design as per IRC:25 fixed in position including finishing and lettering but excluding painting as per drawing and technical specification.	66.000	Cum	478.000	31548.00

Approved as Corrected
 26/12/2020

SE, RWD (W) Circle
 Nalanda
 26/12/2020

S.No.	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
14	Kilometre stone Reinforced cement concrete M15 grade kilometre 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.				
15	ii) Km stone	2.000	Each	2017.990	4035.98
16	iii) 200 m stone	6.000	Each	580.800	3484.80
17	Traffic sign A. Retro Reflectorised Traffic signs- Providing and fixing of retro-reflectorised cautionary, mandatory and informatory sign as per IRC:67 made of encapsulated lens type reflective sheeting vide Clause 1701.2.3 fixed over aluminium sheeting, 1.5 mm thick supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 450				
18	600 mm equilateral & triangle,	2.000	Each	3582.120	7164.24
19	600 mm circular ,	2.000	Each	4740.230	9480.46
20	800 mm x 600 mm rectangular,	3.000	Each	6670.410	20011.23
21	600 mm x 450 mm rectangular,	3.000	Each	4643.720	13931.16
22	Planting of Trees and their Maintenance for one Year- Planting of trees by the road side (Avenue trees) in 0.60 m dia holes, 1 m deep dug in the ground, mixing the soil with decayed farm yard / sludge manure, planting the saplings, backfilling the trench, watering, fixing the tree guard and maintaining the plants for one	214.000	Each	778.450	166588.30
23	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 gms 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 from streaks and holes.	602.000	Sqm	735.350	442680.70
24	PCC Portion	40.000	Sqm	843.647	33745.88
25	Providing and Fixing 'Logo' of Project - Providing and fixing of typical PMGSY 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.	3.000	Each	8990.190	26970.57
26	Plastering with cement mortar(1:4) on brick work in sub structure as per technical specifications	8.640	Sqm	6462.380	55834.96
27	Providing PCC M-20 architectural coping on the top of wing wall, return wall etc complete as per drawing and technical specification clause 615, 710 and 1204.3.11	36.000	m	363.590	13089.24
28	Plastering with cement mortar (1:4) , 15 mm Thick on brick work in sub-structure as per Technical Specifications Clause 613.4 & 1204.	60.480	Sqm	168.080	10165.48
29	Painting Two Coats on New/Concrete Surface- Painting Two Coats including primer coat after filling the surface with synthetic enamel paint	175.680	Sqm	93.590	16441.89

Approved as Corrected
 26/12
 SE, PWD (W) Circle
 Walanda
 17/20

S.No.	DESCRIPTION OF ITEMS	QUANTITY	UNIT	RATE (Rs.)	AMOUNT (Rs.)
30	Total (A)				6913152.50
31	GST@12%				829578.30
32	Labour Cess @ 1%				69131.52
33	Sub Total(A)				7811862.32
34	Total Cost of Maintenance	20.000	Quarterly	1,41,450.95	2829019.00
35	Total (B)				2829019.00
36	GST@12%				339482.28
37	Labour Cess @ 1%				28290.19
38	Sub Total(B)				3196791.47
39	Grand Total (A+B)				11008653.79
Total BOQ Cost					11008654.00

27/12/2020
24.12.2020

B.O.Q. Approved for Rs. 4,10,08,654.00 (Rupees One Crore
(Rs. Ten Lac. Eight Thousand Nine Hundred) only for
Construction Cost and Rs. Fifty Four Only (Rs.
.....) only for Maintenance work. Total
Rs. (Rs.) only.

26/12/2020
A.E.
RWD
Circle Nalanda

26/12/2020
S.E.
RWD
Circle Nalanda