



बिहार BIHAR

प्राधिकृत पदाधिकारी  
23 MAR 2023

Supplementary Agreement No. 1615BD SBD/2023-24  
(Due to GST Revised)

Main Agreement No. & Date :- 61SBD/2022-23  
Name and firm of Contractor :- Madan Kumar  
Name of Work :- Part-A-Pakla Road PMGSY to Chap Tola Part-B-Construction of RCC Bridge Span 2x8.0m at CH:2.0 Km in Pakla Road PMGSY to Chap Tola Road with Approach Road  
Main Agreement Value :- Rs. 3,21,25,337.00  
Supplementary Agreement Value :- Rs. 16,90,205.00  
Total Agreement Value :- Rs. 3,38,15,542.00  
Date of Agreement :- 28.04.2022  
Date of Completion :- 27.04.2023 (As per Main Agreement)  
Contract Rate :- 8.25% Below

This agreement, made the \_\_\_\_\_ day \_\_\_\_\_ 2023 between Executive Engineer, Rural Work Division, Purnea of the one part, and Madan Kumar, Jadugardi, Purnea Whereas the Employer is desirous that the Contractor execute Part-A-Pakla Road PMGSY to Chap Tola, Part-B-Construction of RCC Bridge Span 2x8.0m at CH:2.0 Km in Pakla Road PMGSY to Chap Tola Road with Approach Road and the Employer has accepted the Bid by the Contractor for the execution and completion of such works and the remedying of any defects therein such as 5 years Routine Maintenance as a cost of Rs. 3,38,15,542.00 (Rupees Three Crore Thirty Eight Lakh Fifteen Thousand Five Hundred Forty Two) only).

Page 1 of 2

Madan Kumar

EXECUTIVE ENGINEER  
RURAL WORKS DEPARTMENT  
PURNEA  
28/04/23

**NOW THIS AGREEMENT WITNESSETH as follows:**

1. In this agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.
2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all aspects with the provisions of the Contract.
3. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying the defects wherein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract..
4. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz:
  - i) Letter of Acceptance;
  - ii) Notice to proceed with the Works;
  - iii) Contractor's Bid;
  - iv) Contract Data;
  - v) Special conditions of contract and General Conditions of Contract;
  - vi) Specifications;
  - vii) Drawings;
  - viii) Bill of Quantities; and
  - ix) Any other document listed in the Contract Data as forming part of the contract.

In witness where of the parties thereto have caused this Agreement to be executed the day and year first before written.

5. Date of Commencement :- .....

6. Date of Completion :- .....

7. Contract Rate :- .....

The common seal of \_\_\_\_\_

was hereunto affixed in the presence of :

Signed, Sealed and Delivered by the said \_\_\_\_\_

\_\_\_\_\_

in the presence of :

Binding Signature of Employer \_\_\_\_\_

Binding Signature of Contractor \_\_\_\_\_

*M. Subramanian*



Tender Inviting Authority: Engg-in Chief RWD Patna	
Name of Work PAKKA ROAD PMGSY TO CHAP TOLA	
Contract No: Civil Works/	
Name of the Bidder/ Bidding Firm / Company	

PRICE SCHEDULE									
Bidders are allowed to enter the Bidder Name and Values only)									
Sl. No.	Item Description	NUMBER #	TEXT #	NUMBER	Estimated Rate	NUMBER #	TEXT #	NUMBER #	TEXT #
1	2	Quantity	Units	5	6	TOTAL AMOUNT With Taxes	54	TOTAL AMOUNT In Words	55
1	PAKKA ROAD PMGSY TO CHAP TOLA AT CH-2.00KM	4							
2	Providing & Fixing of Working benchmark Pillars 2 nos. per km & 6 Nos. of reference pillars required for 1 Km. as per drawings given and direction of E/I	2.600	Km		36248.240	94245.42		INR Ninety Four Thousand Two Hundred & Forty Five and Paise Forty Two Only	
3	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 direction of E/I	0.910	Ha		53879.810	49030.63		INR Forty Nine Thousand & Thirty and Paise Sixty Three Only	
4	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 lead upto 1000 m & 100 m as per Technical Specification Clause 301.5. (Including Royalty & Labour Cess).								
5	For 1000 m lead	3726.920	Cum		190.630	710462.76		INR Seven Lakh Ten Thousand Four Hundred & Sixty Two and Paise Seventy Six Only	
6	For 100 m lead	3246.940	Cum		149.180	484378.51		INR Four Lakh Eighty Four Thousand Three Hundred & Seventy Eight and Paise Fifty One Only	
7	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).	4549.610	Cum		192.310	874935.50		INR Eight Lakh Seventy Four Thousand Nine Hundred & Thirty Five and Paise Fifty Only	
8	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.	1308.960	Cum		3101.080	4059189.89		INR Forty Lakh Fifty Nine Thousand One Hundred & Eighty Nine and Paise Sixty Eight Only	

  
 EXECUTIVE ENGINEER  
 RURAL WORKS DEPARTMENT  
 CHAP TOLA, PATNA

  
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9	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.	710.160	Cum	3853.720	2736757.80	INR Twenty Seven Lakh Thirty Six Thousand Seven Hundred & Fifty Seven and Paise Eighty Only
10	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 0.90 - 1.2 kg/sqm using mechanical means as per Technical Specification Clause 502.	6060.000	sqm	43.170	261610.20	INR Two Lakh Sixty One Thousand Six Hundred & Ten and Paise Twenty Only
11	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.	6060.000	sqm	14.690	89021.40	INR Eighty Nine Thousand & Twenty One and Paise Forty Only
12	Providing, laying and rolling of close-graded premix surfacing material of 20 mm thickness composed of 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 509	6080.000	sqm	225.280	1365196.80	INR Thirteen Lakh Sixty Five Thousand One Hundred & Ninety Six and Paise Eighty Only
13	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.	340.880	Cum	3101.080	1057096.15	INR Ten Lakh Fifty Seven Thousand & Ninety Six and Paise Fifteen Only
14	Construction of un-reinforced, 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 batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including provision of contraction and expansion, construction joints, applying debonding strips, primer, sealant, dowel bars, near approaches to bridge/culvert and construction joints, admixtures as approved, curing of concrete slabs for 14-days using curing compound (where specified) and water finishing to lines and grade as per drawing and Technical Specification Clause 1501	545.400	cum	6983.050	3808555.47	INR Thirty Eight Lakh Eight Thousand Five Hundred & Fifty Five and Paise Forty Seven Only
15	Cable Duct Across the Road: Providing and laying of a reinforced cement concrete pipe duct, 300 mm dia, across the road (new construction), extending from drain to drain in cuts and toe of slope to toe of slope in fills, constructing head walls at both ends, providing a minimum fill of granular material over top and sides of RCC pipe as per IRC:98-1997, bedded on a 0.3 m thick layer of granular material free of rock pieces, outer to outer distance of pipe at least half dia of pipe subject to minimum 450 mm in case of double and triple row ducts, joints to be made leak proof, invert level of duct to be above higher than ground level to prevent entry of water and dirt, all as per IRC: 98 - 1997 and approved drawings.	75.000	M	1667.120	125034.00	INR One Lakh Twenty Five Thousand & Thirty Four Only
16	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.					

EXECUTIVE ENGINEER  
RURAL WORKS DEPARTMENT  
WORKS DIVISION, PURNEA

Madhusudan  
15/12/22



Percentage BEO									
Tender Inviting Authority: Engg-in Chief RWD Patna									
Name of Work PAKKA ROAD PMGSY TO CHAP TOLA									
Contract No. Civil Works/									
Name of the Bidder/ Bidding Firm / Company :									
PRICE SCHEDULE and 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 )									
NUMBER =	TEXT =	NUMBER #	TEXT #	NUMBER	NUMBER #	TEXT #	NUMBER #	TEXT #	
Sl. No.	Item Description	Quantity	Units	Estimated Rate	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In Words			
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2	Providing & Fixing of Working benchmark Pillars 2 nos. per km & 6 Nos. of reference pillars required for 1 Km. as per drawings given and direction of E/I	2.600	Km	36248.240	94245.42	INR Ninety Four Thousand Two Hundred & Forty Five and Paise Forty Two Only			
3	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 direction of E/I	0.910	Ha	53879.810	49030.63	INR Forty Nine Thousand & Thirty and Paise Sixty Three Only			
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RURAL ROAD DEPARTMENT  
MUNICIPALITY, PUNE

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9	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.	710.160	Cum	3853.720	2736757.80	INR Twenty Seven Lakh Thirty Six Thousand Seven Hundred and Fifty Seven and Paise Eighty Only
10	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 0.90- 1.2 kg/sqm using mechanical means as per Technical Specification Clause 502.	6060.000	sqm	43.170	261610.20	INR Two Lakh Sixty One Thousand Six Hundred & Ten and Paise Twenty Only
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15	Cable Duct Across the Road: Providing and laying of a reinforced cement concrete pipe duct, 300 mm dia, across the road (new construction), extending from drain in cuts and toe of slope to toe of slope in fills, constructing head walls at both ends, providing a minimum fill of granular material over top and sides of RCC pipe as per IRC:98-1997, bedded on a 0.3 m thick layer of granular material free of rock pieces, outer to outer distance of pipe at least half dia of pipe subject to minimum 450 mm in case of double and triple row ducts, joints to be made leak proof, invert level of duct to be above higher than ground level to prevent entry of water and dirt, all as per IRC: 98 - 1997 and approved drawings.	75.000	M	1667.120	125034.00	INR One Lakh Twenty Five Thousand & Thirty Four Only
16	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.					EXECUTIVE ENGINEER RURAL WORKS DEPARTMENT MURGAON, DIST. PURNIA

Madan Deb  
10/11/23



17	i) Km Stone		4,000	No.	2339.490	9357.96	INR Nine Thousand Three Hundred & Fifty Seven and Paise Ninety Six Only
18	ii) 200 m stone		10,000	No.	6328.820	6328.20	INR Six Thousand Three Hundred & Twenty Eight and Paise Twenty Only
19	Providing and fixing of retro- reflectorised cautionary, mandatory and informatory sign as per IRC: 67 made of high intensity grade sheeting vide clause 801.3, 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 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing.						
20	600 mm equilateral & triangle.		10,000	Nos	3576.824	35763.24	INR Thirty Five Thousand Seven Hundred & Sixty Three and Paise Twenty Four Only
21	600 mm circular.		7,000	Nos	4756.639	33296.47	INR Thirty Three Thousand Two Hundred & Ninety Six and Paise Forty Seven Only
22	800 mm x 600 mm rectangular.		10,000	Nos	6587.522	65875.22	INR Sixty Five Thousand Eight Hundred & Seventy Five and Paise Twenty Two Only
23	600 mm x 450 mm rectangular.		7,000	Nos	4635.820	32450.74	INR Thirty Two Thousand Four Hundred & Fifty and Paise Seventy Four Only
24	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.						
25	Road Marking On OC		320,000	Sqm	721.980	231033.60	INR Two Lakh Thirty One Thousand & Thirty Three and Paise Sixty Only
26	Road Marking On BT		180,000	Sqm	823.040	148147.20	INR One Lakh Forty Eight Thousand One Hundred & Forty Seven and Paise Twenty Only
27	Reinforced cement concrete M15 grade boundary pillars/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 Clause 1704		16,000	NO	481.744	7707.90	INR Seven Thousand Seven Hundred & Seven and Paise Ninety Only
28	Painting lines, dashes, arrow, etc on roads in two coats on new work with ready mixed road marking paint conforming to IS:164 on bituminous concrete surface, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control as per drawing and Technical Specification Clause 1702		331,000	Sqm	109.520	36251.12	INR Thirty Six Thousand Two Hundred & Fifty One and Paise Twelve Only
29	Providing and erecting direction and place identification retro reflectorised sign as per IRC:67 made of high intensity grade sheeting vide clause 801.3, fixed over aluminium sheeting, 2 mm thick with area not exceeding 0.9 sqm supported on a mild steel angle iron post 75 x 75 x 6 mm firmly fixed to the ground by means of properly designed foundation with M15 grade cement concrete 45 x 45 x 60 cm, 60 cm below ground level as per approved drawing.		10,000	NO	11454.860	114548.60	INR One Lakh Fourteen Thousand Five Hundred & Forty Eight and Paise Sixty Only
30	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 year		80,000	Each	842.380	67388.80	INR Sixty Seven Thousand Three Hundred & Eighty Eight and Paise Eighty Only
31	Half Brick circular tree guard, in 2nd class brick, internal diameter 1.25 metres, and height 1.2 metre, above ground 0.20 metre below ground, bottom two courses laid dry, and top three courses in cement mortar 1:6 (1 cement 6 sand and the intermediate courses being in dry honey comb masonry, as per design complete.		80,000	Each	1566.340	125307.20	INR One Lakh Twenty Five Thousand Three Hundred & Seven and Paise Twenty Only

EXECUTIVE ENGINEER  
RURAL WORKS DEPARTMENT  
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32	Providing and fixing of typical MMSU, information 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	5.000	NO	9698.440	48492.20	INR Forty Eight Thousand Four Hundred & Ninety Two and Paise Twenty Only
33	Earth work in excavation for foundation of structures upto 3.0 m depth as per drawing and technical specification clause 1104	29.798	cum	310.730	9259.13	INR Nine Thousand Two Hundred & Fifty Nine and Paise Thirteen Only
34	Providing M15 (PCC 1:2.5:5) as levelling course in foundation :- Providing PCC M 15 (1:2.5:5) concrete for plain concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203	4.595	cum	5733.060	26343.41	INR Twenty Six Thousand Three Hundred & Forty Three and Paise Forty One Only
35	Plain/Reinforced cement concrete(M:20) in substructure complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204	35.711	cum	6705.880	239473.68	INR Two Lakh Thirty Nine Thousand Four Hundred & Seventy Three and Paise Sixty Eight Only
36	Providing and laying RCC pipe NP-3 for culverts on first class bedding of PCC M10 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 as per clause 1106	7.500	m	3496.167	26221.25	INR Twenty Six Thousand Two Hundred & Twenty One and Paise Twenty Five Only
37	Painting on Parapet Wall (Black & White Strips) 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	20.640	sqm	101.610	2097.23	INR Two Thousand & Ninety Seven and Paise Twenty Three Only
38	Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material.	112.992	cum	305.420	34510.02	INR Thirty Four Thousand Five Hundred & Ten and Paise Two Only
39	P.C.C grade M 10 Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203	8.292	cum	6122.600	50768.60	INR Fifty Thousand Seven Hundred & Sixty Eight and Paise Sixty Only
40	P.C.C grade M 15 Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1204	36.168	cum	5733.060	207353.31	INR Two Lakh Seven Thousand Three Hundred & Fifty Three and Paise Thirty One Only
41	P.C.C grade M 15 Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1205	27.800	cum	5733.060	159379.07	INR One Lakh Fifty Nine Thousand Three Hundred & Seventy Nine and Paise Seven Only
42	Pointing with cement mortar (1:3) on brickwork as per drawing and technical specification Clauses 613.3 and 1204	2.780	sqm	72.100	200.44	INR Two Hundred and Paise Forty Four Only
43	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia AC pipe extending through the full width of the structures with slope of 1(N):20(H) towards drawing face complete as per drawing and technical specification Clauses 614, 703, 1204 & 3.7	18.000	NO	242.580	4366.44	INR Four Thousand Three Hundred & Sixty Six and Paise Forty Four Only
44	P.C.C grade M25 Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1205	18.840	cum	7592.630	143045.15	INR One Lakh Forty Three Thousand & Forty Five and Paise Fifteen Only

Mr

12/06/2023

Madan Kumar

EXECUTIVE ENGINEER  
CIVIL  
JALPAIGURI  
12/06/23  
NON FORNER



45	Subgrading, fitting and placing M20 for reinforcement (1:1.5) in substructure complete as per drawings and technical specifications Clauses 1002, 1005, 1010 & 1202	2.080	ton	53045.820	111805.18	INR One Lakh Eleven Thousand Three Hundred and Eighty Eight Only
46	Backfilling behind abutment, wing wall and return wall complete as per drawings & technical specification Clause 1204.3.8	37.484	cum	3289.385	123382.03	INR One Lakh Twenty Three Thousand Three Hundred & Eighty Two and Paise Sixty Three Only
47	Providing and laying filter media with granular crushed aggregates as per specification to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and providing over the entire surface behind abutment, wing wall, return wall to the full height, compacted to firm condition complete as per drawing and technical specification. Clause 1204.3.8	27.228	cum	3551.239	96893.14	INR Ninety Six Thousand Six Hundred & Ninety Three and Paise Fourteen Only
48	Providing PCC M-20 architectural coping on the top of wing wall, return wall etc. complete as per drawing and technical specification Clauses 615, 710 and 1204.3.11	10.000	m	485.210	4352.10	INR Four Thousand Three Hundred & Fifty Two and Paise Ten Only
49	Providing and laying reinforced cement concrete in superstructure as per drawing and technical specifications Clauses 800, 1205.4 and 1205.5	4.620	cum	7747.660	35794.19	INR Thirty Five Thousand Seven Hundred & Ninety Four and Paise Nineteen Only
50	Supplying, fitting, and placing HYSD bar reinforcement in superstructure complete as per drawing and technical specifications Clauses 1002, 1010 and 1202	0.462	ton	54900.210	25363.90	INR Twenty Five Thousand Three Hundred & Sixty Three and Paise Ninety Only
51	Construction of R.C.C. railing of M 25 grade in cast-in-situ with 20 mm nominal size aggregate, true to line and grade, tolerance of vertical railing post not to exceed 1 in 500, centre-to-centre spacing between vertical posts not to exceed 2000 mm as per drawing and technical specifications Clauses 800, 900 and 1208.3	5.800	m	6740.740	37748.14	INR Thirty Seven Thousand Seven Hundred & Forty Eight and Paise Fourteen Only
52	Drainage spouts complete as per drawing and technical specifications Clause 1209	4.000	NO	590.620	2352.48	INR Two Thousand Three Hundred & Sixty Two and Paise Forty Eight Only
53	ADD GST 18%	1.000	RS	3243254.807	3243254.81	INR Thirty Two Lakh Forty Three Thousand Two Hundred & Fifty Four and Paise Eighty One Only
54	ADD LC 1%	1.000	RS	180180.823	180180.82	INR One Lakh Eighty Thousand One Hundred & Eighty and Paise Eighty Two Only
55	Construction Seigniorage Fee	1.000	RS	235597.361	235597.36	INR Two Lakh Thirty Five Thousand Five Hundred & Ninety Seven and Paise Thirty Six Only
56	1st Year Maintenance cost	1.000	YEAR	113980.000	113980.00	INR One Lakh Thirteen Thousand Nine Hundred & Eighty Only
57	2nd Year Maintenance cost	1.000	YEAR	197890.000	197890.00	INR One Lakh Ninety Seven Thousand Eight Hundred & Ninety Only
58	3rd Year Maintenance cost	1.000	YEAR	726565.000	726565.00	INR Seven Lakh Twenty Six Thousand Five Hundred & Sixty Five Only
59	4th Year Maintenance cost	1.000	YEAR	404538.000	404538.00	INR Four Lakh Four Thousand Five Hundred & Thirty Eight Only
60	5th Year Maintenance cost	1.000	YEAR	870230.000	870230.00	INR Eight Lakh Seventy Thousand Two Hundred & Thirty Only
61	ADD GST 18%	1.000	RS	416376.540	416376.54	INR Four Lakh Sixteen Thousand Three Hundred & Seventy Six and Paise Fifty Four Only
62	ADD LC 1%	1.000	RS	23132.030	23132.03	INR Twenty Three Thousand One Hundred & Thirty Two and Paise Three Only
63	Maintenance Seigniorage Fee	1.000	RS	5582.206	5582.21	INR Five Thousand Five Hundred & Eighty Two and Paise Twenty One Only
64	RCC BRIDGE AT PAKKA ROAD PMGSY TO CHAP TOLA AT CH-2.00KM					
65	FOUNDATION					
66	Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material.					
67	i) Upto 3m depth	917.686	Cum	310.732	285154.41	INR Two Lakh Eighty Five Thousand One Hundred & Fifty Four and Paise Forty One Only

  
 EXECUTIVE ENGINEER  
 RURAL WORKS DEPARTMENT  
 DISTRICT PUNE

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68	Providing, casting, curing, finishing, reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203.		40.522	Cum	5825.840	236074.89	INR Two Lakh Thirty Six Thousand & Seventy Four and Paise Sixty Nine Only
69	II. PCC Grade M-15 (Leveling Course)						
70	SUBSTRUCTURE						
71	R.C.C. grade M-30 in Substructure complete as per Dwg & Tech Specification						
72	i) Upto 5m height (Using Concrete Mixer)	324.880		Cum	7705.906	2503494.74	INR Twenty Five Lakh Three Thousand Four Hundred & Ninety Four and Paise Seventy Four Only
73	ii) From 5m upto 10m height (Using Concrete Mixer)	4.810		Cum	7845.574	37737.21	INR Thirty Seven Thousand Seven Hundred & Thirty Seven and Paise Twenty One Only
74	Supplying, fitting and placing HYSD bar reinforcement (Fe 500) in substructure complete as per drawings and technical specification Clauses 1002, 1005, 1010 & 1202	34.284		T	54410.880	1865422.61	INR Eighteen Lakh Sixty Five Thousand Four Hundred & Twenty Two and Paise Sixty One Only
75	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia AC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specification Clauses 614, 709, 1204.3.7	76.000		Each	121.169	9208.84	INR Nine Thousand Two Hundred & Eight and Paise Eighty Four Only
76	Backfilling behind abutment, wing wall and return wall complete as per drawings & technical specification Clause 1204.3.8						
77	II. Sandy Material	314.363		Cum	812.363	255376.87	INR Two Lakh Fifty Five Thousand Three Hundred & Seventy Six and Paise Eighty Seven Only
78	Providing and laying filter media with granular crushed aggregates as per specification to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and providing over the entire surface behind abutment, wing wall, return wall to the full height, compacted to firm condition complete as per drawing and technical specification Clause 1204.3.8	76.972		Cum	3551.611	273374.60	INR Two Lakh Seventy Three Thousand Three Hundred & Seventy Four and Paise Sixty Only
79	SUPERSTRUCTURE						
80	Providing and laying reinforced cement concrete in superstructure complete as per drawing and technical specifications Clauses 800, 1205.4 and 1205.5						
81	II. RCC M-25 (Height 5m to 10m)	118.721		Cum	7883.991	935995.30	INR Nine Lakh Thirty Five Thousand Nine Hundred & Ninety Five and Paise Thirty Only
82	Supplying, fitting and placing HYSD bar reinforcement (Fe 500) in superstructure complete as per drawings and technical specification Clauses 1002, 1010 & 1202	11.872		MT	55920.311	663885.93	INR Six Lakh Sixty Three Thousand Eight Hundred & Eighty Five and Paise Ninety Three Only
83	Providing and laying cement concrete wearing course M30 grade including reinforcement complete as per drawing and technical specifications Clauses 800 and 1206.3	14.226		Cum	13347.197	189877.22	INR One Lakh Eighty Nine Thousand Eight Hundred & Seventy Seven and Paise Twenty Two Only
84	Construction of R.C.C. railing of M 25 grade in cast-in-situ with 20 mm nominal size aggregate, true to line and grade, tolerance of vertical railing post not to exceed 1 in 500, centre-to-centre spacing between vertical posts not to exceed 2000 mm as per drawing and technical specifications Clauses 800, 900 and 1208.3	50.500		Rm	2434.601	122947.35	INR One Lakh Twenty Two Thousand Nine Hundred & Forty Seven and Paise Thirty Five Only
85	Drainage Spouts complete as per drawing and technical specifications Clause 1209	8.000		Each	536.925	4295.40	INR Four Thousand Two Hundred & Ninety Five and Paise Forty Only
86	P.C.C. M-15 ordinary grade (1:2:5.5) levelling course below approach slab complete as per drawing and technical specifications Clauses 800 & 1211.	8.820		Cum	5825.840	51383.91	INR Fifty One Thousand Three Hundred & Eighty Three and Paise Ninety One Only
87	Reinforced Cement Concrete M-25 grade approach slab including reinforcement and formwork complete as per drawing and technical specifications Clauses 800 and 1211	19.257		Cum	11240.619	216460.60	INR Two Lakh Sixteen Thousand Four Hundred & Sixty and Paise Sixty Only

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88	Strip, Soil Expansion Joint (Providing and laying of a strip seal expansion joint catering to maximum horizontal movement upto 70 mm, complete as per approved drawings and standard specifications to be installed by the manufacturer/supplier or their authorised representative ensuring compliance to the manufacturer's instructions for installation.)	16.800	Rm	10381.659	174411.87	INR One Lakh Seventy Four Thousand Four Hundred & Eleven and Paise Eighty Seven Only
89	PROTECTION WORK					
90	Excavation for Structures					
91	Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material.	632.759	cum	310.732	196618.47	INR One Lakh Ninety Six Thousand Six Hundred & Eighteen and Paise Forty Seven Only
92	Providing and laying boulder apron for bed protection with stone boulders of minimum size and weight as per Table 1300.1, no fragment weighing not less than 25 Kg, laid dry complete as per drawing and technical specifications Clause 1301.					
93	I. Rubble stone laid in cement mortar 1:3	72.600	cum	3446.300	250201.38	INR Two Lakh Fifty Thousand Two Hundred & One and Paise Thirty Eight Only
94	Providing and laying boulder apron for bed protection with stone boulders of minimum size and weight as per Table 1300.1, no fragment weighing not less than 25 Kg, laid dry complete as per drawing and technical specifications Clause 1301.	48.400	cum	4999.514	241976.48	INR Two Lakh Forty One Thousand Nine Hundred & Seventy Six and Paise Forty Eight Only
95	Providing and laying curtain walls complete as per drawing and technical specification Clause 1304.					
96	P.C.C grade M 15	128.808	cum	5825.840	750414.80	INR Seven Lakh Fifty Thousand Four Hundred & Fourteen and Paise Eighty Only
97	SUB HEAD : PREPARATORY WORKS, SITE CLEARANCE, DISMANTLING					
98	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 direction of E/I	0.080	Ha	53879.811	4310.38	INR Four Thousand Three Hundred & Ten and Paise Thirty Eight Only
99	Construction of embankment with approved material deposited from road way cutting and excavation from drain and foundation of other structures and excavated with an average lead of 50 m graded and compacted to meet requirement of tables 300.1 and 300.2 as per technical specification clause 301.5					
100	60% of Excavated material	550.612	Cum	49.722	27377.53	INR Twenty Seven Thousand Three Hundred & Seventy Seven and Paise Fifty Three Only
101	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 lead upto 1000 m as per Technical Specification Clause 301.5.					
102	Balance quantity	2321.138	Cum	188.518	437576.29	INR Four Lakh Thirty Seven Thousand Five Hundred & Seventy Six and Paise Twenty Nine Only
103	Construction of Subgrade and Earthen Shoulders					
104	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 301.5.	228.538	Cum	189.710	43355.94	INR Forty Three Thousand Three Hundred & Fifty Five and Paise Ninety Four Only

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WORKS SECTION PUNE



105	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.	66.461	Cum	3399.558	225938.02	INR Two Lakh Twenty Five Thousand Nine Hundred & Thirty Eight and Paise Two Only
106	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	23.077	Cum	3865.989	89215.43	INR Eighty Nine Thousand Two Hundred & Fifteen and Paise Forty Three Only
107	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 0.30-1.2 kg/sqm using mechanical means as per Technical Specification Clause 502.	307.688	Sqm	42.876	13192.43	INR Thirteen Thousand One Hundred & Ninety Two and Paise Forty Three Only
108	Providing and applying seal coat with bitumen emulsion (RS) using emulsion distributor at 2.0 to 2.5 kg per sq m on the prepared bituminous surface, finished with hydraulic broom as per technical specification clause 503	307.688	Sqm	14.625	4499.94	INR Four Thousand Four Hundred & Ninety Nine and Paise Ninety Four Only
109	Providing, laying and rolling of close-graded premix surfacing material of 15 mm thickness composed of 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 509	307.688	Sqm	200.910	61817.60	INR Sixty One Thousand Eight Hundred & Seventeen and Paise Sixty Only
110	Providing and fixing of semi reflective cautionary, mandatory and informative sign boards as per JPC-97 made of 1.5 mm thick MS steel plate, stone white colour in front and gray colour on back with red reflective border of 60 mm width and required letters and figures with reflective paint of required shade and colour supported and welded on 40 mm x 60 mm x 6 mm angle iron tube firmly fixed to the ground by mean of 4 nos. 10 mm dia. bolts with 100 mm x 100 mm x 10 mm plate concrete foundation as per information below ground level as per approved drawing.					
111	3600 mm equilateral & triangle IJR	2.000	Each	1954.814	3909.63	INR Three Thousand Nine Hundred & Nine and Paise Sixty Three Only
112	Providing and Fixing Logo of PMGSY Project	1.000	Each	7500.000	7500.00	INR Seven Thousand Five Hundred Only
113	Providing & Fixing of L&D of "Citizen Information Board"	1.000	Each	9500.000	9500.00	INR Nine Thousand Five Hundred Only
114	CONSTRUCTION COST 18% GST	1.000	RS	1834651.037	1834651.06	INR Eighteen Lakh Thirty Four Thousand Six Hundred & Fifty One and Paise Six Only
115	CONSTRUCTION COST 1% I.C	1.000	RS	101925.059	101925.06	INR One Lakh One Thousand Nine Hundred & Twenty Five and Paise Six Only
116	Total Seigniorage Fee	1.000	RS	69085.136	69085.34	INR Sixty Nine Thousand & Eighty Eight and Paise Thirty Four Only
117	Maintenance					
118	First Year Total Maintenance Cost	1.000	Year	13491.189	13491.19	INR Thirteen Thousand Eight Hundred & Ninety One and Paise Nineteen Only
119	second Year total Maintenance Cost	1.000	Year	24447.616	24447.66	INR Twenty Four Thousand Four Hundred & Forty Seven and Paise Sixty Eight Only
120	Third Year total Maintenance Cost	1.000	Year	49051.939	49051.83	INR Forty Nine Thousand & Eighty One and Paise Eighty Three Only
121	Fourth Year total Maintenance Cost	1.000	Year	61350.194	61350.13	INR Sixty One Thousand Three Hundred & Fifty and Paise Thirteen Only

Net 12

Net 12

Net 12



122	Fifth Year total Maintenance Cost	1.000	Year	60520.897	60520.90	INR Thirty Nine Thousand Five Hundred & Ninety Two and Paise Only
123	CONSTRUCTION COST 18% GST	1.000	RS	32272.511	32272.51	INR Thirty Two Thousand Two Hundred & Seventy Two and Paise Fifty One Only
124	CONSTRUCTION COST 1% L C	1.000	RS	1792.917	1792.92	INR One Thousand Seven Hundred & Ninety Two and Paise Ninety Two Only
125	Total Seigniorage Fee	1.000	RS	9240.411	9240.41	INR Nine Thousand Two Hundred & Forty and Paise Forty One Only
126					36856176.93	INR Crore Sixty Eight Lakh Fifty Six Thousand One Hundred & Seventy Six and Paise Ninety Three Only
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Revised B.O.D as per order of RWD vide letter no 3322 dated 15.12.22. only on CST form 121. to 131. Revised B.O.D sanction for Rs 3,68,56,177.00 (Rupees Three Crore Sixty Eight Lakh Fifty Six thousand one Hundred seventy seven) only, overall increase from AA 8.79%.

Maden Gush

24/4/23

ER. ARVIND KUMAR  
SUPT. ENGINEER  
RURAL WORKS CIRCLE  
PURNEA

EXECUTIVE ENGINEER  
RURAL WORKS DEPARTMENT  
PURNEA