# ${f P}$ radhan ${f M}$ antri ${f G}$ ram ${f S}$ adak ${f Y}$ ojana



### WEST BENGAL STATE RURAL DEVELOPMENT AGENCY BLOCK - HC, PLOT NO - 7, SECTOR - 3 BIDHAN NAGAR, SALT LAKE CITY, KOLKATA - 700 106

Bridge on un-bridged gap over existing PMGSY road namely Majhergram to Gabrupur in Road of L040-Majhergram to Gabrupur via Piagram Under Monteswar Block

### "PMGSY BRIDGES"

PACKAGE NO : WB-22-BRI-02

BLOCK : Monteswar

DISTRICT : Purab Burdwan

TOTAL SPAN OF BRIDGE : 63.00 M
TOTAL COST OF PROJECT : 560.03 Lak

AL COST OF PROJECT : 560.03 Lakh COST PER METRE : 8.89 Lakh

FORMAT: F5

District:	Purab Burdwan	
Block:	Monteswar	
Name of Work:	Bridge on un-bridged gap over existing PMG Road of L040- Majhergram to Gabrupur via P	SSY road namely Majhergram to Gabrupur in iagram Under Monteswar Block
Span (m):	3 x 21.0m (63.0m)	
Package No.:	WB-22-BRI-02	
SI. No.	Item Description	Estimated Rate (Rs.)
1.00	FOUNDATION WORKS	23078246.44
2.00	SUB-STRUCTURE WORKS	6616087.07
3.00	SUPER-STRUCTURE	5498010.32
4.00	APPROACH ROAD WORKS & TRAFFIC SIGNS AND OTHER ROAD APPURTENANCES	9036569.60
5.00	RIVER TRAINING & PROTECTION WORKS	2424130.78
8.00	Construction Cost Excluding GST and Labour Welfare CESS	46653044.21
9.00	Add @ 12% GST on Cost of Construction	5598365.31
10.00	Add @ 1% Labour Welfare CESS on Cost of Construction including GST as above	522514.10
11.00	Total Construction Cost Including GST and Labour Welfare CESS (8+9+10)	52773923.61
12.00	1st Year Routine Maintenance	293906.35
13.00	2nd Year Routine Maintenance	286766.35
14.00	3rd Year Routine Maintenance	320941.83
15.00	4th Year Routine Maintenance	893015.78
16.00	5th Year Routine Maintenance	1060135.37
17.00	Maintenance Cost Excluding GST and Labour Welfare CESS	2854765.68
18.00	Add @ 12% GST on Cost of Maintenance	342571.88
19.00	Add @ 1% Labour Welfare CESS on Cost of Maintenance including GST as above	31973.38
20.00	Total Maintenance Cost Including GST and Labour Welfare CESS (17+18+19)	3229310.94
	Total in Figures	56003235.00
	Rupees Five Crore Sixty Lakh Three Thousand Two	Hundred ThirtyFive Only

PRADHAN MANTRI GRAM SADAK YOJANA (PMGSY)

1. SCHEDULE OF QUANTITIES (SOQ): FOUNDATION WORKS

Block
Monteswar

Name of Bridge on un-bridged gap over existing PMGSY road namely Majhergram to Gabrupur in Road of L040-Work

Majhergram to Gabrupur via Piagram Under Monteswar Block

Package	WB-22-BRI-02					, , ,
SI No.	Brief Description of Item	Unit	Quantity		Rate (Rs)	Amount (Rs)
1.01	Excavation for Structures Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, removing, spreading or stacking of spoils within a lead of 150 m. as directed and including triming the sides of the trenches, leveling, dressing and ramming the bottom, and schedilling with approved material complete as per direction of the Engineer-in-Charge .  L'Ordinary Soil upto 3 meter li: Ordinary Soil 3 meter to 6m	Cum	931.500	124.00	Rupees One Hundred TwentyFour Only Rupees One Hundred	115,506.00 128,205.00
1.02	Earthwork in filling in foundation trenches with good earth in layers not exceeding 15cm. including watering and ramming layer by layer complete with earth obtained from excavation of foundation or from fresh excavation of land arranged by Department within a lead of 150 m.	cum	683.730	92.00	SixtyFive Only  Rupees NinetyTwo Only	62,903.16
1.03	Earth in filling in foundation trenches and at the back of abutments with good earth (sandy soil) in layers not exceeding 15 cm. including watering and ramming layer by layer complete with earth obtained by fresh excavation from land arranged by Department beyond 150 m. but within 300 m. including all lifts. Earth to be approved by the Engineer-in-charge.	cum	235.630	161.00	Rupees One Hundred SixtyOne Only	37,936.43
1.04	Providing and laying Design Mix concrete for plain / reinforced concrete work in any part of bridge (excluding bottom) plangingly with coarse aggregates of appropriate normal size and grading, fine state of appropriate normal size and grading, fine state, and the state of appropriate plant of a propriate plant of a propriate plant of a propriate plant of a propriate plant of design mix, asproval of the same by the Engineer-in-Charge and materials and including preparation of design mix, approval of the same by the Engineer-in-Charge and cost for quality control, sampling testing etc. all complete but excluding cost of about and materials and particular comments of a bout and materials and particular comments of a boundary and a particular comments of a particular comment of a particular comments of a particular comments of a particul	Cum	68.200	4891.82	Rupees Four Thousand Eight Hundred KinetyOne Paise EightyTwo Chly	333,622.12
1.05	Plain / Reinforced Cement Concrete in Open foundation with or without reinforcements, in any part of foundation of bridges / cubres with graded part of foundation of bridges / cubres with graded strength of the part of foundation of the property of the part	Cum	385.440	6078.18	Rupéer Sk Thousand SevenyEight Paise Eighteen Only	2,342,773.70
1.06	Supplying, fitting and placing un-coated HYSD har reinforcement in Bridge Foundation including initial straightening straightening of colls bars, removal of looser rust (if any), cutting to requisite length bending binding with annealed wire not less than 1 mm in size and conforming to 15 280 at every interaction looked and bear to correct shape and interaction looked and bear to correct shape and surrected and bear to correct shape and contracted and the conformation of the same lead of wire and cost of loading, unloading, carriage of all steel materials complete as per drawing and technical specifications and direction of Engineerin – Latel materials complete as per drawing and technical specifications and direction of Engineerin – Latel materials complete as per (Steel Bar SAIL/TATA/RINL)	мт	46.250	60731.26	Rupees Sixty Theusand Seven Hundred Thirty-One Paise Twenty-Six Only	2,808,820.78
1.07	Providing Bored Cast-in-situ R.C.C. M 35 pile in position as per specifications in all kinds of soil including cost of boring using effiling mud to stabilize the bore and flushing the bore of excess of the providence of the soil of th	m	1075.000	6781.55	Rupees Sk Thousand Seven Hundred EghtyCre Passe FillyFree Cnty	7,290,166.25
1.08	Supplying, fitting and placing un-coated HYSD har reinforcement in Bridge Foundation including intials resingular the straightening of colls bars, removal of loose rust (if any), cutting to requisite length bending, binding with annealed wire not less than 1 mm in size and conforming to 15 280 at every intersection hooked and bent to correct shape and placed on forms etc. including cost of black annealed wire and cost of loading, unloading, carriage of all steel materials complete as per direction of Engineer-in-charge, (for Pila) (Steel Bar SML/TAY/RMIX)	мт	119.620	60731.26	Rupees Sixty Thousand Seven Hundred ThirtyOne Paise Twenty Six Only	7,264,673.32
1.09	Providing Steel liner for Curbs and 6 mm thick for Steining of Wells including fabricating and settling out as per detailed drawing. Note: Add cost & carriage of materials only to arrive atthe consolidated rate. a) 6 ~ 10 mm thick	мт	50.880	49761.00	Rupees FourtyNine Thousand Seven Hundred SixtyOne Only	2,531,839.68
1.10	Performing Lateral load test on two piles or two groups of piles by introducing a hydraulic jack with groups of piles to piles ropi is groups under test by applying horizontal loads in increments of about 20% of the estimated sale load at each stage and applying the next increment after the rate of displacements in nearer to 0.1 mm. per 30 minutes till the total displacements becomes, 12 mm at the coroll level including the cost of arranging the coroll level including the cost of arranging the including at least two disl gauges, reparing the pile had in a cost of the corollevel including, at least two disl gauges, reparing the pile had if necessary, and removal of all arrangement after completion etc. complete in all respect including cost of carriage of all materials and as per Iss specification and direction of Engineer-in-charge.	Each	1.000	27400.00	Rupees TwentySeven Thousand Four Hundred Only	27,400.00
1.11	Performing Vertical load test on single Pile in accordance with IS-2911 (Part-VI) by hydraulic jacks on pile/piles with 1.5 times the design load including preparation of the head of piles with concrete of required strength for receiving the jacks with all ancillary arrangements for setting up sugges, construction of studieb platforms, keeping the loads and dismantling and removing all arrangement ext. complete as per IS specification and direction of Engineer-in-charge III Testing load between 100 T and 150 T	Each	2.000	67200.00	Rupees SixtySeven Thousand Two Hundred Only	134,400.00
	TOTAL COST FOR FOUNDATION WO	RKS				23,078,246.44

## PRADHAN MANTRI GRAM SADAK YOJANA (PMGSY) 2. SCHEDULE OF QUANTITIES (SOQ): SUB-STRUCTURE WORKS

District Purab Burdwan
Block Monteswar

Name of Bridge on un-bridged gap over existing PMGSY road namely Majhergram to Gabrupur in Road of L040-Work Majhergram to Gabrupur via Piagram Under Monteswar Block

Package	WB-22-BRI-02			1		
⊠ Š	Brief Description of Item	Unit	Quantity		Rate (Rs)	Amount (Rs)
2.01	Plain / Reinforced Cement Concrete in Substructure with coarse aggregates of appropriate nominal size and grading, fine aggregate (sand) conforming to proper grading zone, both of approved quality, cement and water reducing admixtures, as necessary, including labour, cost and carriage of all materials and including preparation of design mix, approval of the same by the Engineer-in-Charge and cost for quality control, sampling, testing etc. all complete as per drawing and technical specification including the cost of necessary form work and staging complete as per drawing and technical specifications.  For height upto 5m F(i): RCC M30 (Pakur Variety Stone)	Cum	294.70	6402.18	Rupees Six Thousand Four Hundred Two Paise Eighteen Only	1,886,722.45
	Plain / Reinforced Cement Concrete in Substructure with coarse aggregates of appropriate nominal size and grading, fine aggregate (sand) conforming to proper grading zone, both of approved quality, cement and water reducing admixtures, as necessary, including labour, cost and carriage of all materials and including preparation of design mix, approval of the same by the Engineer-in-Charge and cost for quality control, sampling, testing etc. all complete as per drawing and technical specification including the cost of necessary form work and staging complete as per drawing and technical specifications.  For height above Sm F(i): RCC M30 (Pakur Variety Stone)	Cum	120.48	6556.18	Rupees Six Thousand Five Hundred FiftySix Paise Eighteen Only	789,888.57
2.02	Supplying, fitting and placing HYSD bar reinforcement in Sub-structure including initial straightening, straightening of coils bars, removal of loose rust (if any), cutting to requisite length bending, binding with annealed wire not less than 1 mm in size and conforming to 1S 280 at every intersection hooked and bent to correct shape and placed on forms etc. including cost of black annealed wire and cost of loading, unloading, carriage of all steel materials complete as per drawing and technical specifications and direction of Engineer-in-charge.	мт	55.56	60864.26	Rupees Sixty Thousand Eight Hundred SixtyFour Paise TwentySix Only	3,381,618.29
2.03	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.	Nos	101.00	115.00	Rupees One Hundred Fifteen Only	11,615.00
2.04	Back filling behind abutment, wing wall and return wall complete as per drawing and Technicalspecification. I: Granular Material	Cum	133.58	1388.12	Rupees One Thousand Three Hundred EightyEight Paise Twelve Only	185,425.07
2.05	Providing and laying of Filter media with granular materials / stone crushed aggregates / brickaggregates / river bed materials satisfying the requirements laid down in clause 2504.2.2 of MoRT&H Specifications to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and provided over the entire surface behind abutment, wing wall and return wall to the full height compacted to a firm condition complete as per drawing and technicalspecification.	Cum	148.20	1736.12	Rupees One Thousand Seven Hundred ThirtySix Paise Twelve Only	257,292.98
2.06	Excavation for Structures Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, removing, spreading or stacking of spoils within a lead of 150 m. as directed and including trimming the sides of the trenches, leveling, dressing and ramming the bottom, and backfilling with approved material complete as per direction of the ngineer-in Charge.  1: (i) Ordinary Soil upto 3 meter	Cum	428.54	124.00	Rupees One Hundred TwentyFour Only	53,138.96
2.07	Providing and laying Design Mix concrete for plain / reinforced concrete work in any part of bridge (excluding bottom plugging) with coarse aggregates of appropriate nominal size and grading, fine aggregate (sand) conforming to proper grading zone, both of approved quality and cement, as necessary, including labour, cost and carriage of all materials and including preparation of design mix, approval of the same by the Engineer-in-Charge and cost for quality control, sampling, testing etc. all complete but excludingcost of labour and materials for formwork & reinforcement works.  A: RCC MIS  [Pakur Variety Stone]	Cum	10.30	4891.82	Rupees Four Thousand Eight Hundred NinetyOne Palse EightyTwo Only	50,385.75
	TOTAL COST FOR SUB-STR	UCTUR	RE WORKS	<u> </u>	l	6,616,087.07

PRADHAN MANTRI GRAM SADAK YOJANA (PMGSY)

3. SCHEDULE OF QUANTITIES (SOQ): SUPER-STRUCTURE WORKS

District Block Monteswar

Name of Bridge on un-bridged gap over existing PMGSY road namely Majhergram to Gabrupur in Road of L040-Work Majhergram to Gabrupur via Piagram Under Monteswar Block

Package				ı		
ı oN o	Brief Description of Item	Unit	Quantity		Rate (Rs)	Amount (Rs)
3.01	Furnishing and Placing Reinforced / Prestressed Cement concrete in Superstructure with coarse aggregates of appropriate nominal size and grading, fine aggregate (sand) conforming to proper grading zone, both of approved quality and cement and admixtures, as necessary, including labour, cost and carriage of all materials and including preparation of design mix, approval of the same by the Engineer-in-Charge and cost for quality control, sampling, testing etc. all complete as per drawing and technical specification including the cost of necessary form work and staging complete. (C) RCC M-30 Grade For Solid Slab Super-Structure, Using concrete mixer (Height 5m to 10 m) (Pakur Variety Stone)	Cum	281.52	7424.18	Rupees Seven Thousand Four Hundred TwentyFour Paise Eighteen Only	2,090,055.15
3.02	Supplying, fitting and placing HYSD bar reinforcement in Bridge Super-structure including initial traightening, straightening of coils bars, removal of loose rust (if any), cutting to requisite length bending, binding with annealed wire not less than 1 mm in size and conforming to 1S 280 at every intersection hooked and bent to correct shape and placed on forms etc. including cost of black annealed wire and cost of loading, unloading, carriage of all steel materials complete as per drawing and technical specifications. (Steel Bar SAIL/TATA/RINL)	MT	37.60	61782.26	Rupees SixtyOne Thousand Seven Hundred EightyTwo Paise TwentySix Only	2,323,012.98
3.03	Plain / Reinforced Cement Concrete in Substructure with coarse aggregates of appropriate nominal size and grading, fine aggregate (sand) conforming to proper grading zone, both of approved quality, cement and water reducing admixtures, as necessary, including labour, cost and carriage of all materials and including preparation of design mix, approval of the same by the Engineer-in-Charge and cost for quality control, sampling, testing etc. all complete as per drawing and technical specification including the cost of necessary form work and staging complete as per drawing and technical specifications. IIV: RCC M15  (Pakur Variety Stone)	Cum	5.78	4891.82	Rupees Four Thousand Eight Hundred NinetyOne Paise EightyTwo Only	28,274.72
3.04	Filler Joint  II) Providing and fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing and technical specifications	m	20.00	259.00	Rupees Two Hundred FiftyNine Only	5,180.00
3.05	Supplying, fitting and fixing in position true to line and level Elastomeric bearing conforming to IRC: 83 (Part-II) Section IX and Clause 2005 of MoRT&H specifications complete including all accessories as per drawing and Technical Specifications.	Cu Cm	181440.00	1.00	Rupee One Only	181,440.00
3.06	Drainage Spouts in Superstructure including providing drip mouldings and also including supplying, fitting and fixing approved type of materials complete as per drawing and Technical specification vide clause no. 2705 of MoRT&H's Specification for Road & Bridge Works.	No	18.00	783.00	Rupees Seven Hundred EightyThree Only	14,094.00
3.07	Strip Seal Expansion Joint Providing and laying of a strip seal expansion joint atering 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.	Е	33.60	10000.00	Rupees Ten Thousand Only	336,000.00
3.08	Construction of precast RCC railing of M30 Grade, aggregate size not exceeding 12 mm, true to line and grade, tolerance of vertical RCC post not to exceed 1 in500, 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.	m	156.00	1833.00	Rupees One Thousand Eight Hundred ThirtyThree Only	285,948.00
3.09	Providing and laying Cement concrete Wearing coat M-30 grade with graded stone chips 19mm down including screening and cleaning approved stone chips and sand as necessary laying, finishing complete to camber and grade, curing with water, including cost and carriage of all materials and hire charges for form work including reinforcement complete as per drawing and Technical Specifications vide clause no. 2702 of MoRT&H's Specification for Road & Bridge Works.	cum	25.03	9349.00	Rupees Nine Thousand Three Hundred FourtyNine Only	234,005.47
	TOTAL COST FOR SUPE	R-STRUC	TURE WORK	S	<u> </u>	5,498,010.32

PRADMAN MANTRI GRAM SADAK YOLMAN (PILOSY)
4. SCHEDALE OF GUANTITIES (SOQ): APPROACH ROAD WORKS & TRAFFIC SIGNS AND OTHER ROAD
District
Pureb Burcham
Block
Montesseer
Block Montesseer
Block or un-bridged go over existing PMGSY road namely Majhengram to Gabrupur in Road of L040Work Majhengram fo Gabrupur via Pagyami Unider Montesseer Block

N S	WB-22-BRI-02 Brief Description of Item	Unit	Quantity		Rate (Rs)	Amount (Rs
4.01	Clearing and grubbing road land including uproofing wild vegetation, graxs, basker, which was placed and trees of girth upon 300 earlier and disposal of unserviceable material and discipled in unserviceable material to be used or auctioned, upon a lead of 1000 microlling removal and disposal of top organic soil not exceeding 150 mm in thickness aper Technical Specification Clause 201.  (10) by Mechanical London (1) and on thorny jungle (4) in area of not thorny jungle (4) in area of not other properties.	Hect	1.13	44978.00	Rupees FourtyFour Thousand Nine Hundred SeventyEight Only	50,825.1
4.02	Construction of Embankment with Material Obtained from Borrow Pits Construction of embankment with approved material obtained from borrow pits with a lift upto 1.5 m., transporting to sits, 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 Cause 301.5 for Naral Roads of MORD. (Mode of measurement) pre works and post works)	cum	8773.01	85.60	Rupees EightyFive Paise Staty Only	750,969.6
4.03	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 as per Technical Specification Clause 303.1.  (E) Lead from 750m to 1000m	Cum	3223.13	94.80	Rupees NinetyFour Paise Eighty Only	305,552.7
4.04	Construction of Sub lates using Local Construction of Sub lates using Local Marrials, spreading in uniform layers with Motor gades on perpared unders, including servening the metal as necessary, unsing by max in place method with control of the subsection of the s	Cum	1209.38	1603.88	Rupees One Thousand Six Hazdred Three Pales EightyEight Only	1,939,700.5
4.05	Water Bound Nacadam Base Course Proording, Joyling, spreading and compacting state aggregates of specific sizes to water bound marcadam specification inclining marcadam specification inclining states of the specification inclining states of the specification inclining states to proope grade and camber, applying and benoming requisite poil of severing in stages to proope grade and camber, applying actives and benome the specific specific specification stages to proope grade and camber, applying actives and benome the specific specification carting specification of the specific specification and machinery and compacting to the and and and benome and prooper specification specification of the specification of the specification (i) Grade Specification for Road & Britispe Works of MARTAGE (Dis Benicher, GC) am to 15 man) MARTAGE (Dis Benicher, GC) am to 15 man) State globes Secretain (5) pp of (11.2 man)	Cum	489.38	2682.40	Rupees Two Thousand Six Hundred Eight/Two Palse Fourly Only	1,312,712.9
4.06	Water Bound Macadam Base Course Proording, Joylee, spreading and compacting state aggregate to goodle, size to water bound microlam specification including medication specification including continues of the specification including states to reporte grade and camber, supplying building materials in six post to grade and camber course aggregate, watering including lighting, grantee, burishing and minking necessity side and preparing the bed by necessary courting or filling, including cost of all sides and preparing the bed by necessary courting or filling, including cost of all sides and preparing the bed by necessary courting or filling, including cost of all mes and machinery and compacting to the required dentity, as per Clause 640 of Specifications for Road & Bridge Works of (specifications for Road & Bridge (specifications fo	Cum	476.72	2707.57	Rupees Two Thousaind Seven Hundred Seven Palse Fifty Seven Only	1,290,752.7
4.07	Prince Coat applying primer coat with cationic Bittunen Emission of approved gate conforming to S88871-9798 and requisite quantity on prepared surface of granular base including cleaning of road surface including cost and carriage of bitunen emission and all other incidental costs of work complete as per flame S02 of work complete as per flame S02 of work complete as per flame S02 of NOTABI (5) Bitter S108 S02 (6) (1) For WIMA / WMM Surface(with primer @ 0.70-10.8 [c) of S07-10.8 [c) of S0	Sqm	6187.50	307.74	Rupees Three Hundred Seven Paise SeventyFour Only	1,904,141.2
4.08	Tack Coat Providing and applying tack coat with Cationic Bitumen Emulsion of approved grade conforming to 18 8887-1978 on the prepared surface cleaned with Hydraulic broom, moistening the surface including cost and carriage of emulsion, hire charges of machinery and labour, cost of field and laboricants all complete as per Clause 503 of Specifications for Road & Bridge Works of MotTAH (Eds Revision).	Sqm	6187.50	31.13	Rupees ThirtyOne Paise Thirteen Only	192,616.4
4.09	Desc Godel Prestit, Sufficially using Descriptions of the Commissions (Workship and Paring Blussen) Modified bitmene Blussen Modified bitmene Blussen Modified bitmene Blussen der Modified bitmene Blussen der Modified bitmene Blussen der Godel Modified bitmene Blussen der Godel Modified bitmene God	sqm	6187.50	10.46	Rupees for Palse Fourly St. Only	64,721.2
4.10	Providing and laying Premixed Scal Coat (Type Blywth approved quality sand/grift © 60 m3/; 100 m2 and bitumen bindly parallel grift of thoroughly deamed black (pps paralsec coated thoroughly deamed black) paralsec coated calcaned sand/grift (100 % passing through 2.26 mm sieve and retained on 180 microsal parallel grift (100 % passing through season sieve and retained on 180 microsal parallel grift (100 % passing through said passing thro	Sqm	6187.50	111.15	Rupees One Hundred Eleven Palse Fifteen Only	687,740.8

#### PRADHAN MANTRI GRAM SADAK YOJANA (PMGSY)

#### 4. SCHEDULE OF QUANTITIES (SOQ): APPROACH ROAD WORKS & TRAFFIC SIGNS AND OTHER ROAD APPURTENANCES

District Purab Burdwan Block Monteswar

Name of Work

Bridge on un-bridged gap over existing PMGSY road namely Majhergram to Gabrupur in Road of L040- Majhergram to Gabrupur via Piagram Under Monteswar Block

Ω o,	Brief Description of Item	Unit	Quantity		Rate (Rs)	Amount (Rs
4.11	R.C. Guard post  Supplying fitting and fixing R.C. guard post 1.37m long with C.C. 1:2:4 with graded stone chips of 13.2mm down casting, curing complete including cost of providing 4nos.of 12mm dia. rod of length 1.54m as main reinforcement and 6 nos. of round shaped 8mm dia rods used as binders; the placing of the first binder should be at 75mm below the top finished surface and the other 5 nos of binders should be placed at 245mm c/c; the guard post is of octagonal section with inscribed circle of dia 24cm at the base tapering to corresponding dimensions of 16cm at the top including two coats of painting with best quality synthetic enamel paint of approved make and grade to form 6 nos. horizontal alternate bands in white/tannery yellow and black to 90 cm length standing up above ground after mending good damages if any during striking off shuttering, making hole in ground of 47cm depth and 30cm. minimum dia, fixing the guard posts in the same holes and repacking the earth properly so as to keep the guard posts standing properly erect in correct position true to line and length including carriage of R. C. Guard Post with due care to the site including loading into the truck and unloading at site complete in all respect.  With Pakur variety stone chips	nos.	50.00	714	Rupees Seven Hundred Fourteen Only	35,700.0
4.12	Direction and Place Identification Signs with size more than 0.9 sqm size Board. Providing and erecting direction and place identification retroreflectorised sign as per IRC:67 made of high intensity grade sheeting vide clause 801.3, fixed over aluminium sheeting, 2 mm thick with area exceeding 0.9 sqm supported on a mild steel angle iron post 75 mm x 75 mm x 6 mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M 15 grade cement concrete 45 cm x 45 cm x 60 cm, 60 cm below ground level as per approved drawing and Clause 801 of Specifications for Road & Bridge Works of MoRT&H (5th Revision)	nos.	2.00	9568	Rupees Nine Thousand Five Hundred SixtyEight Only	19,136.C
4.13	Conformatory Boring (in soil)	m	60.00	4000	Rupees Four Thousand Only	240,000.0
4.14	Conformatory Boring (in rock)	m	30.00	8000	Rupees Eight Thousand Only	240,000.0
4.15	Marking on Bridges and Culverts	nos	4.00	500	Rupees Five Hundred Only	2,000.0

#### PRADHAN MANTRI GRAM SADAK YOJANA (PMGSY)

### 5. SCHEDULE OF QUANTITIES (SOQ): RIVER TRAINING & PROTECTION WORKS

District Purab Burdwan Block Monteswar

Name of Bridge on un-bridged gap over existing PMGSY road namely Majhergram to Gabrupur in Road of Work L040- Majhergram to Gabrupur via Piagram Under Monteswar Block

ıs oN S	Brief Description of Item	Unit	Quantity		Rate (Rs)	Amount (Rs)
5.01	Providing and laying Pitching on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embankment complete as per drawing and Technical specifications.	Cum	149.34	338.65	Rupees Three Hundred ThirtyEight Paise SixtyFive Only	50,573.99
5.02	Providing and laying Filter material underneath pitching in slopes complete as per drawing and Technical specification.		99.56	338.65	Rupees Three Hundred ThirtyEight Paise SixtyFive Only	33,715.99
5.03	Curtain wall complete as per drawing and Technical specification Cement Concrete Grade M15 (Pakur Variety Stone)	m	440.00	5317.82	Rupees Five Thousand Three Hundred Seventeen Paise EightyTwo Only	2,339,840.80
	TOTAL COST FOR RIVER TRAINING	& PRO	TECTION	WORKS		2,424,130.78

## PRADHAN MANTRI GRAM SADAK YOJANA (PMGSY) 12. SCHEDULE OF QUANTITIES (SOQ): 1st YEAR ROUTINE MAINTENANCE WORKS

District Block Purab Burdwan Monteswar

Name of Bridge on un-bridged gap over existing PMGSY road namely Majhergram to Gabrupur in Road of L040- Majhergram to Gabrupur via Piagram Under Monteswar Block

Package WB-22-BRI-02

<u>s</u> o Se	Brief Description of Item	Unit	Quantity		Rate (Rs)	Amount (Rs)
12.01	Restoration of rain cuts with soil, moorum gravel or a mixture of these, clearing the loose soil, benching for 300mm width laying fresh material in layers not exceeding 250 mm and compaction with plate compactor or power rammer to restore the original alignment, level and slopes as per drawings and technical specifications Clause 1902 for Rural Roads of MORD.  A. Maintenance of Earthen shoulder (filling with fresh selected soil) Making up loss of material/irregularities on shoulders to the design level by adding fresh approved selected soil and compacting with appropriate equipment at OMC upto a lead of 1000 m as per technical specification Clause 1903 for Rural Roads of MORD. (Average thickness 150 mm)	cum	590.63	26.20	Rupees TwentySix Paise Twenty Only	15,474.51
12.02	Repair to pot holes by removal of failed material, trimming the sides to vertical and leveling the bottom, cleaning the same with compressed air or any poropriate method filled with B.M. (thickness not more than 75 mm in single layer) applying bitumen emulsion prime coat at the bottom and bitumen emulsion tack coat on sides and on bottom as per technical specifications Clauses 502 and 503 for Rural Roads of MORD.		19	7119.29	Rupees Seven Thousand One Hundred Nineteen Paise TwentyNine Only	132,134.02
12.03	Repair to pot holes by removal of failed material, trimming the sides to vertical and leveling there bottom, cleaning the same with compressed air or any appropriate method filled with 75 mm B. M. after applying Bitumen emulsion prime coal at the bottom and bitumen emulsion tack coal on sides and on bottom as per technical specifications clauses 502, 503 & 504.	cum	619	171.15	Rupees One Hundred SeventyOne Paise Fifteen Only	105,899.06
12.04	Removal of existing cement concrete wearing coat including its disposal complete as per Technical specification without causing any detrimental effect to any part of the bridge structure and removal of dismantled material with all lifts and lead upto 1000m (Thickness 75 mm)		0	113.00	Rupees One Hundred Thirteen Only	0.00
12.05	Providing and laying Cement concrete Wearing coat M-30 grade with graded stone chips 19mm down including screening and cleaning approved stone chips and sand as necessary laying, finishing complete to camber and grade, curing with water, including cost and carriage of all materials and hire charges for form work including reinforcement complete as per drawing and Technical Specifications vide clause no. 2702 of MoRT&H's Specification for Road & Bridge Works.	rm	0	186.98	Rupees One Hundred EightySix Paise NinetyEight Only	0.00
12.06	Replacement of bearings complete as per Technical specification	each	0	18799.64	Rupees Eighteen Thousand Seven Hundred NinetyNine Paise SixtyFour Only	0.00
12.07	Replacement of Expansion Joints complete as per drawings	km	0	17442.00	Rupees Seventeen Thousand Four Hundred FourtyTwo Only	0.00
12.08	Replacement of damaged Concrete Railing.	km	0	2075.00	Rupees Two Thousand SeventyFive Only	0.00
12.09	Refixing displaced R.C. Guard post Supplying litting and fixing R.C. guard post 1.37m long with C.C. 1:2:4 with graded stone chips of 13.2mm down casting, curing complete including cost of providing 4nos. of 12mm dia. rod of length 1.54m as main reinforcement and 6 nos. of round shaped 8mm dia rods used as binders; the placing of the first binder should be at 75mm below the top finished surface and the other 5 nos of binders should be placed at 245mm o/c; the guard post is of octagonal section with inscribed circle of dia 24cm at the base tapering to corresponding dimensions of 16cm at the top including two coats of painting with best quality synthetic enamel paint of approved make and grade to form 6 nos. horizontal alternate bands in whitetannery yellow and black to 90 cm length standing up above ground after mending good damages if any during striking off shuttering, making hole in ground of 47cm depth and 30cm. minimum dia, liking the guard posts in the same holes and repacking the earth properly erect in correct position rue to line and length including carriage of R. C. Guard Post with due care to the site including loading into the truck and unloading at site complete in all respect.  With Pakur variety stone chips	sqm	10	714.00	Rupees Seven Hundred Fourteen Only	7,140.00
12.10	Cutting of branches of trees and shrubs from the road way or within ROW including disposal of wood & leaves to suitable location as per technical specifications clause 1914.	km	15	95.00	Rupees NinetyFive Only	1,425.00
12.11	Cutting of shrubs from the road way or with in R.O.W and disposal of shrubs to suitable locations as per technical specifications Clause 1914 for Rural Roads of MORD.	each	150	5.90	Rupees Five Paise Ninety Only	885.00
12.12	Trimming of grass and weeds from the shoulders/berms and disposing off the same to suitable locations as per technical specifications Clause 1914 for rural Roads of MORD.		15474	2.00	Rupees Two Only	30,948.76
	TOTAL COST FOR 1st YEAR ROUT	INE M	AINTENANO	E WORKS	l	293,906.35

## PRADHAN MANTRI GRAM SADAK YOJANA (PMGSY) 13. SCHEDULE OF QUANTITIES (SOQ): 2nd YEAR ROUTINE MAINTENANCE WORKS

District Block Purab Burdwan Monteswar

Bridge on un-bridged gap over existing PMGSY road namely Majhergram to Gabrupur in Road of L040- Majhergram to Gabrupur via Piagram Under Monteswar Block Name of Work

Package	WB-22-BRI-U1			T		
<u>∞</u> 8	Brief Description of Item	Unit	Quantity		Rate (Rs)	Amount (Rs)
13.01	Restoration of rain cuts with soil, moorum gravel or a mixture of these, clearing the loose soil, benching for 300mm width laying fresh material in layers not exceeding 250 mm and compaction with plate compactor or power rammer to restore the original alignment, level and slopes as per drawings and technical specifications Clause 1902 for Rural Roads of MORD.  A. Maintenance of Earthen shoulder (filling with fresh selected soil) Making up loss of material/irregularities on shoulders to the design level by adding fresh approved selected soil and compacting with appropriate equipment at OMC upto a lead of 1000 m as per technical specification Clause 1903 for Rural Roads of MORD. (Average thickness 150 mm)	cum	590.63	26.20	Rupees TwentySix Paise Twenty Only	15,474.51
13.02	Repair to pot holes by removal of failed material, trimming the sides to vertical and leveling the bottom, cleaning the same with compressed air or any poropriate method filled with B.M (thickness not more than 75 mm in single layer) applying bitumen emulsion prime coat at the bottom and bitumen emulsion tack coat on sides and on bottom as per technical specifications Clauses 502 and 503 for Rural Roads of MORD.		19	7119.29	Rupees Seven Thousand One Hundred Nineteen Paise TwentyNine Only	132,134.02
13.03	Repair to pot holes by removal of failed material, trimming the sides to vertical and leveling there bottom, cleaning the same with compressed air or any appropriate method filled with 75 mm B. M. after applying Bitumen emulsion prime coal at the bottom and bitumen emulsion tack coal on sides and on bottom as per technical specifications clauses 502, 503 & 504.		619	171.15	Rupees One Hundred SeventyOne Paise Fifteen Only	105,899.06
13.04	Removal of existing cement concrete wearing coat including its disposal complete as per Technical specification without causing any detrimental effect to any part of the bridge structure and removal of dismantled material with all lifts and lead upto 1000m (Thickness 75 mm)	sqm	0	113.00	Rupees One Hundred Thirteen Only	0.00
13.05	Providing and laying Cement concrete Wearing coat M-30 grade with graded stone chips 19mm down including screening and cleaning approved stone chips and sand as necessary laying, finishing complete to camber and grade, curing with water, including cost and carriage of all materials and hire charges for form work including reinforcement complete as per drawing and Technical Specifications vide clause no. 2702 of MoRT&H's Specification for Road & Bridge Works.	rm	0	186.98	Rupees One Hundred EightySix Paise NinetyEight Only	0.00
13.06	Replacement of bearings complete as per Technical specification	each	0	18799.64	Rupees Eighteen Thousand Seven Hundred NinetyNine Paise SixtyFour Only	0.00
13.07	Replacement of Expansion Joints complete as per drawings	km	0	17442.00	Rupees Seventeen Thousand Four Hundred FourtyTwo Only	0.00
13.08	Replacement of damaged Concrete Railing.	km	0	2075.00	Rupees Two Thousand SeventyFive Only	0.00
13.09	Refixing displaced R.C. Guard post Supplying litting and fixing R.C. guard post 1.37m long with C.C. 1:2:4 with graded stone chips of 13.2m down casting, curing complete including cost of providing 4nos of 12mm dia. rod of length 1.54m as main reinforcement and 6 nos. of round shaped 8mm dia rods used as binders; the placing of the first binder should be at 75mm below the top finished surface and the other 5 nos of binders should be placed at 245mm of c; the guard post is of octagonal section with inscribed circle of dia 24cm at the base tapering to corresponding dimensions of 16cm at the top including two coats of painting with best quality synthetic enamel paint of approved make and grade to form 6 nos. horizontal alternate bands in white/tannery yellow ground after mending good damages if any during striking off shuttering, making hole in ground of 47cm depth and 30cm, minimum dia, fixing the guard posts in the same holes and repacking the earth properly are to the site including loading into the truck and unloading at site complete in all respect.  With Pakur variety stone chips	sqm	0	714.00	Rupees Seven Hundred Fourteen Only	0.00
13.10	Cutting of branches of trees and shrubs from the road way or within ROW including disposal of wood & leaves to suitable location as per technical specifications clause 1914.	km	15	95.00	Rupees NinetyFive Only	1,425.00
13.11	Cutting of shrubs from the road way or with in R.O.W and disposal of shrubs to suitable locations as per technical specifications Clause 1914 for Rural Roads of MORD.		150	5.90	Rupees Five Paise Ninety Only	885.00
13.12	Trimming of grass and weeds from the shoulders/berms and disposing off the same to suitable locations as per technical specifications Clause 1914 for rural Roads of MORD.	sqm	15474	2.00	Rupees Two Only	30,948.76
	TOTAL COST FOR 1st YEAR ROUT	INE M	AINTENANC	E WORKS	<u> </u>	286,766.35

## PRADHAN MANTRI GRAM SADAK YOJANA (PMGSY) 14. SCHEDULE OF QUANTITIES (SOQ): 3rd YEAR ROUTINE MAINTENANCE WORKS

District Block Purab Burdwan Monteswar

Name of Bridge on un-bridged gap over existing PMGSY road namely Majhergram to Gabrupur in Road of L040- Majhergram to Gabrupur via Piagram Under Monteswar Block

Package WB-22-BRI-01

<u>s</u> ŏ	Brief Description of Item	Unit	Quantity		Rate (Rs)	Amount (Rs)		
14.01	Restoration of rain cuts with soil, moorum gravel or a mixture of these, clearing the loose soil, benching for 300mm width laying fresh material in layers not exceeding 250 mm and compaction with plate compactor or power rammer to restore the original alignment, level and slopes as per drawings and technical specifications Clause 1902 for Rural Roads of MORD.  A. Maintenance of Earthen shoulder (filling with fresh selected soil) Making up loss of material/irregularities on shoulders to the design level by adding fresh approved selected soil and compacting with appropriate equipment at OMC upto a lead of 1000 m as per technical specification Clause 1903 for Rural Roads of MORD. (Average thickness 150 mm)	cum	843.75	26.20	Rupees TwentySix Paise Twenty Only	22,106.25		
14.02	Repair to pot holes by removal of failed material, trimming the sides to vertical and leveling the bottom, cleaning the same with compressed air or any poropriate method filled with B.M. (thickness not more than 75 mm in single layer) applying bitumen emulsion prime coat at the bottom and bitumen emulsion tack coat on sides and on bottom as per technical specifications Clauses 502 and 503 for Rural Roads of MORD.		19	7119.29	Rupees Seven Thousand One Hundred Nineteen Paise TwentyNine Only	132,134.02		
14.03	Repair to pot holes by removal of failed material, trimming the sides to vertical and leveling there bottom, cleaning the same with compressed air or any appropriate method filled with 75 mm B. M. after applying Bitumen mulsion prime coal at the bottom and bitumen emulsion tack coal on sides and on bottom as per technical specifications clauses 502, 503 & 504.	cum	619	171.15	Rupees One Hundred SeventyOne Paise Fifteen Only	105,899.06		
14.04	Removal of existing cement concrete wearing coat including its disposal complete as per Technical specification without causing any detrimental effect to any part of the bridge structure and removal of dismantled material with all lifts and lead upto 1000m (Thickness 75 mm)		0	113.00	Rupees One Hundred Thirteen Only	0.00		
14.05	Providing and laying Cement concrete Wearing coat M-30 grade with graded stone chips 19mm down including screening and cleaning approved stone chips and sand as necessary laying, finishing complete to camber and grade, curing with water, including cost and carriage of all materials and hire charges for form work including reinforcement complete as per drawing and Technical Specifications vide clause no. 2702 of MoRT&H's Specification for Road & Bridge Works.	rm	0	186.98	Rupees One Hundred EightySix Paise NinetyEight Only	0.00		
14.06	Replacement of bearings complete as per Technical specification	each	0	18799.64	Rupees Eighteen Thousand Seven Hundred NinetyNine Paise SixtyFour Only	0.00		
14.07	Replacement of Expansion Joints complete as per drawings	km	0	17442.00	Rupees Seventeen Thousand Four Hundred FourtyTwo Only	0.00		
14.08	Replacement of damaged Concrete Railing.	km	0	2075.00	Rupees Two Thousand SeventyFive Only	0.00		
14.09	Refixing displaced R.C. Guard post Supplying litting and fixing R.C. guard post 1.37m long with C.C. 1:2:4 with graded stone chips of 13.2mm down casting , curing complete including cost of providing dnos of 12mm dia. rod of length 1.54m as main reinforcement and 6 nos. of round shaped 8mm dia rods used as binders; the placing of the first binder should be at 75mm below the top finished surface and the other 5 nos of binders should be placed at 245mm below the top finished surface and the other 5 nos of binders should be placed at 245mm below the top finished surface and the base tapering to corresponding dimensions of 16cm at the top including two coals of painting with best quality synthetic enamel paint of approved make and grade to form 6 nos. horizontal alternate bands in white/tannery yellow and black to 90 cm length standing up above ground after mending good damages if any during striking off shuttering, making hole in ground of 47cm depth and 30cm. minimum dia, fixing the guard posts in the same holes and fixing the guard posts in the same holes and fixing the guard posts standing properly erect in correct position true to line and length including carriage of R. C. Guard Post with due care to the site including loading into the truck and unloading at site complete in all respect.  With Pakur variety stone chips	sqm	20	714.00	Rupees Seven Hundred Fourteen Only	14,280.00		
14.10	Cutting of branches of trees and shrubs from the road way or within ROW including disposal of wood & leaves to suitable location as per technical specifications clause 1914.	km	15	95.00	Rupees NinetyFive Only	1,425.00		
14.11	Cutting of shrubs from the road way or with in R.O.W and disposal of shrubs to suitable locations as per technical specifications Clause 1914 for Rural Roads of MORD.	each	150	5.90	Rupees Five Paise Ninety Only	885.00		
14.12	Trimming of grass and weeds from the shoulders/berms and disposing off the same to suitable locations as per technical specifications Clause 1914 for rural Roads of MORD.		22106	2.00	Rupees Two Only	44,212.50		
Clause 1914 for rural Roads of MORD.  TOTAL COST FOR 1st YEAR ROUTINE MAINTENANCE WORKS								

## PRADHAN MANTRI GRAM SADAK YOJANA (PMGSY) 15. SCHEDULE OF QUANTITIES (SOQ): 4rt YEAR ROUTINE MAINTENANCE WORKS

Purab Burdwan Monteswar District Block

Bridge on un-bridged gap over existing PMGSY road namely Majhergram to Gabrupur in Road of L040-Majhergram to Gabrupur via Piagram Under Monteswar Block Name of Work

A. Melantenance of Earthen shoulder (Inling) Making up to los of material/regularities on shoulders to the design fevel by adding fresh approved selected soil and compacting with 1000 m as per technical specification. Clauses 1903 for Rural Roads of MORD. (Average incloness 150 mm) Repair to port holes by removal of laided material, termining the sides to vertical and leveling the bottom. General Roads of MORD. (Average incloness 150 mm) prince cost at the bottom and bitumen emulsion tack cost or sides and on a specification of 100 for hard forces. In 100 mm and bitumen emulsion tack cost or sides and on the solid material, termining the sides to vertical and leveling the bottom and bitumen emulsion tack cost or sides and on the solid material. Immining the sides to vertical and leveling the bottom and bitumen prince cost at the bottom and bitumen prince cost at the bottom and bitumen prince cost at the bottom and bitumen prince cost and the bottom and bitumen prince cost and the bottom and bitumen prince cost including its disposal complete as per 15.04.  Removal of existing cament concrete wavaring cost including its disposal complete as per 15.04.  Removal of existing cament concrete wavaring cost including its disposal complete as per 15.04.  Removal of existing cament concrete wavaring cost including its disposal complete as per 15.04.  Providing and bying comment concrete wavaring cost including store in cost of the situation of the cost of the situation of the cost of the co	Package	WB-22-BRI-01  Brief Description of Item	Unit	Quantity		Rate (Rs)	Amount (Rs)
trimming the sides to vertical and leveling the bottom, clearing the same win comprised at all the bottom, clearing the same win comprised at all the bottom, clearing the same windown problems are street to bottom say be technical specifications (discusses for an 63 for Fuar Reade of MORD.)  Repair to pot holes by removal of falled material, trimming the sides to vertical and leveling here bottom, clearing the same windown price coat at the bottom and bittume multion price coal at the bottom and bittume multion stack coal on sides and on bottom as per technical specifications cleares 502, 503. 8.  Removal of existing cement concrete warring coal finding and the street specifications cleares 502, 503. 8.  Providing and taying Cement concrete warring and clearing approved store chips and same accessary laying, first-shing complete to cember during and tractical specifications (chips and same accessary) laying, first-shing complete as per drawing and tractical specifications with clause of the same and the charges for the work including streening and clearing approved store chips and same accessary laying, first-shing complete as per drawing and tractical specifications with clause for the work including streening and clearing approved store chips and same accessary laying, first-shing complete as per drawing and tractical specifications with scales and the same	15.01	gravel or a mixture of these, clearing the loose soil, benching for 300mm width laying fresh material in layers not exceeding 250 mm and compaction with plate compactor or power rammer to restore the original alignment, level and slopes as per drawings and technical specifications Clause 1902 for Rural Roads of MORD.  A Maintenance of Earthen shoulder (filling with fresh selected soil) Making up loss of material/irregularities on shoulders to the design level by adding fresh approved selected soil and compacting with appropriate equipment at OMC upto a lead of 1000 m as per technical specification Clause 1903 for Rural Roads of MORD. (Average	cum	1012.50	26.20		26,527.50
material, trimming the sides to vertical and leveling there bottom, clearing the same with compressed air or any appropriate method filliums out of the compressed air or any appropriate method filliums out of the compressed air or any appropriate method filliums out of the compressed air or any appropriate method filliums out of the compressed air or any appropriate method filliums out of the compressed air or any appropriate method filliums out of the compressed air or any appropriate specifications clauses 502, 503. 8 sol.  Removal of existing cement concrete wearing coat including its disposal complete as per tricking appropriate and reproval of dismanated metanal with all litts and lead upto 1000m (Thickness 75 mm)  Providing and laying Cement concrete Wearing coat M-30 grade with graded stone chips 19mm down including screening and cleaning approved stone chips and sand as necessary laying, finishing complete to camber and grade, curing with water, including conference on camber of drawing and Technical Specifications vide clause no. 2702 of MoRTAH's Specification for Road 8. Bridge Works.  15.00  Replacement of Expansion Joints complete as per drawing and Technical Specification for Road 8. Bridge Works.  15.01  Replacement of Expansion Joints complete as per drawings.  Refixing displaced R.C. Guard post Supplying fitting and fixing R.C. guard post 1.37m long with C.C. Li24 with graded stone chips of 13.2mm down casting, curing complete including cost of providing disco. of 12mm disco. A complete submitted in the structure of the post of 13.2mm down casting, curing complete including cost of providing disco. of 12mm disco. A complete including cost of providing disco. of 12mm disco. A complete including cost of providing disco. of 12mm disco. A complete including cost of providing disco. of 12mm disco. A complete including cost of providing disco. of 12mm disco. A complete including cost of providing disco. of 12mm disco. A complete including cost of providing disco. of 12mm disco. A complete including co	15.02	trimming the sides to vertical and leveling the bottom, cleaning the same with compressed air or any propriate method filled with B.M (thickness not more than 75 mm in single layer) applying bitumen emulsion prime coat at the bottom and bitumen emulsion tack coat on sides and on bottom as per technical specifications		19	7119.29	Thousand One Hundred Nineteen	132,134.02
coat including its disposal complete as per synderimental effect to any part of the bridge structure and removal of dismantied material with all litts and lead upto 1000m (Thickness 75 mm)  Providing and I spring Cement concrete Wearing cost M 30 grade with graded stone chips 19mm down including screening and desiring approved stone chips and sand as necessary laying, including cost and cleaning approved stone chips and sand as an experimental effect or camber and grade, curing with water, including cost and creating and including reinforcement complete as per drawing and Technical Specifications vide dause no. 2702 of MoRT&H's Specification for Road & Bridge Works.  15.06 Replacement of bearings complete as per drawing and Technical Specifications vide dause no. 2702 of MoRT&H's Specification for Road & Bridge Works.  15.07 Replacement of Expansion Joints complete as per drawing and Technical Specifications with a specification of the provided Works.  15.08 Replacement of damaged Concrete Railing. km 61 2075.00 Rupees Two Thousand Four Hundred Prourty Two Only  15.08 Replacement of damaged Concrete Railing. km 61 2075.00 Rupees Two Thousand Four Hundred Prourty Two Only  Refixing displaced R.C. Guard post Supplying fitting and fixing R.C. guard post 1.37m long with C.C. 1:24 with graded stone chips of 13.2mm down casting, curing complete with the property of the first binders broud be at 75mm below the top finished surface and the other 5 nos of binders should be placed at 245mm of 2: the guard post is of octagonal section with inscribed sorting good damages if any during striking off shuttering, making hole in ground of 47m depth and 30cm. minimum da, fixing the guard posts in the same holes and respectively the experiment of 47m depth and 30cm. minimum da, fixing the guard posts in the same holes and respectively and posts stranding properly so as to keep the guard posts stranding properly so as to keep the guard posts than dispost. With the care to the site including lossing into the truck and unloading at	15.03	material, trimming the sides to vertical and leveling there bottom, cleaning the same with compressed air or any appropriate method filled with 75 mm B. M. after applying Bitumen emulsion prime coal at the bottom and bitumen emulsion tack coal on sides and on bottom as per technical specifications clauses 502, 503 & per technical specifications clauses 502, 503 &	cum	619	171.15	SeventyOne Paise	105,899.06
Wearing coat M-30 grade with graded stone chips 19m down including screening and cleaning approved stone chips and sand as necessary laying, finishing complete to camber and grade, curling with water, including cost and carriage of all materials and hire charges for form work including reinforcement complete as per drawing and Technical Specifications wide clause no. 2702 of MoRT&H's Specification for Road & Bridge Works.  15.06 Replacement of bearings complete as per each 0 18798.64 Rupees Eighteen Thousand Seven Hundred Sinely/Nine Pales Subjection Only  15.07 Replacement of Expansion Joints complete as km 26 17442.00 Rupees Seventeen Thousand Seven Hundred Minely/Nine Pales Subjection Only  15.08 Replacement of Expansion Joints complete as km 26 17442.00 Rupees Seventeen Thousand Four Hundred Fourly/Nivo August Pales Subjection Only  15.08 Replacement of damaged Concrete Railing. km 61 2075.00 Rupees Two Thousand Soventy-Five Only  15.08 Replacement of damaged Concrete Railing. km 61 2075.00 Rupees Two Thousand Seventy-Five Only  15.09 Refixing displaced R.C. Guard post 1.37m long with CC. 1:24 with graded stone chips of 13.2mm down casting, curing complete including cost of providing Anost of 13 mm dia. Tod of length 1.54m as main reinforcement and 6 nos. or forund shaped 8mm dia rotol used as binders; the placing of the first binder should be at 75mm below the top finished surface and the other 5 nos of binders should be placed at 245mm of: the placing of the first binder should be at 75mm below the long in the place of the corresponding dimensions of 16cm at the top including two coats of palaring specification with inscribed circle of dia 24cm at the base tapering to corresponding dimensions of 16cm at the top including two palaring and the placed at 245mm of: the placing of the first binder should be at 75mm below the long inside of the placed at 245mm of 15cm at the placed stone through the placed at 245mm of 15cm at the placed stone through the placed at 245mm of 15cm at the placed stone through the p	15.04	coat including its disposal complete as per Technical specification without causing any detrimental effect to any part of the bridge structure and removal of dismantled material with	sqm	0	113.00		0.00
15.06 Replacement of bearings complete as per Technical specification  15.07 Replacement of Expansion Joints complete as per drawings  15.07 Replacement of Expansion Joints complete as per drawings  15.08 Replacement of damaged Concrete Railing. km 61 2075.00 Rupees Two Thousand Four Hundred FourtyTwo Only  15.08 Replacement of damaged Concrete Railing. km 61 2075.00 Rupees Two Thousand SeventyFive Only  15.08 Refixing displaced R.C. Guard post Supplying fitting and fixing R.C. guard post 1.37m long with C.C. 1:24 with graded stone chips of 13.2mm down casting, curing complete including cost of providing 4nos. of 12mm dia rod of length 1.54m as main reinforcement and 6 nos. of round shaped 8mm dia rods used as binders; the placing of the first blinder should be at 75mm below the top finished surface and the other 5 nos of binders should be placed at 245mm d/c; the guard post is of octagonal section with inscribed circle of dia 24cm at the base tapering to corresponding dimensions of 16cm at the top including two coasts of painting with best quality synthetic enamel paint of approved make and grade to form 6 nos. horizontal alternate bands in white/tannery yellow and black to 90 cm length standing up above ground after mending good damages if any during striking of shuttering, making hole in ground of 47cm depth and 30cm, minimum dia, fixing the guard posts in the same holes and repacking the earth properly so as to keep the guard posts standing properly react in correct position true to line and length including carriage of R. C. Guard Pest with duc care to the site including loading into the truck and unloading at site complete in all respect.  With Pakur variety stone chips  Cutting of branches of trees and shrubs from the road way or with in R.O.W and disposal of shrubs to suitable location as per technical specifications Clause 1914.  Cutting of shrubs from the road way or with in R.O.W and disposal of shrubs to suitable location as per technical specifications Clause 1914.  Cutting of shrubs from the road	15.05	Wearing coat M-30 grade with graded stone chips 19mm down including screening and cleaning approved stone chips and sand as necessary laying, finishing complete to camber and grade, curing with water, including cost and carriage of all materials and hire charges for form work including reinforcement complete as per drawing and Technical Specifications vide clause no. 2702 of MoRTRH's Specification for Road &		0	186.98	EightySix Paise	0.00
15.07 Replacement of Expansion Joints complete as km 26 17442.00 Thousand Four Hundred FourtyTwo Only 446,515.2 Per drawings 446,515.2 Pe	15.06		each	0	18799.64	Thousand Seven Hundred NinetyNine Paise SixtyFour Only	0.00
Refixing displaced R.C. Guard post Supplying fitting and fixing R.C. guard post 1.37m long with C.C. 1:24 with graded stone chips of 13.2mm down casting, curing complete including cost of providing 4nos.of 12mm dia. rod of length 1.54m as main reinforcement and 6 nos. of round shaped 8mm dia rods used as binders; the placing of the first binder should be at 75mm below the top finished surface and the other 5 nos of binders should be placed at 245mm c/c; the guard post is of octagonal section with inscribed circle of dia 24cm at the base tapering to corresponding dimensions of 16cm at the top including two coats of painting with best quality synthetic enamel paint of approved make and grade to form 6 nos. horizontal alternate bands in white/tannery yellow and black to 90 cm length standing up above ground after mending good damages if any during striking off shuttering, making hole in ground of 47cm depth and 30m. minimum dia, fixing the guard posts in the same holes and repacking the earth property so as to keep the guard posts standing property erect in correct position true to line and length including carriage of R. C. Guard Post with due care to the site including loading into the truck and unloading at site complete in all respect.  With Pakur varlety stone chips  Cutting of brarubs from the road way or with in R.O.W and disposal of shrubs to suitable locations as per technical specifications clause 1914.  Cutting of shrubs from the road way or with in R.O.W and disposal of shrubs to suitable locations as per technical specifications Clause 1914 for Rural Roads of MORD.  Trimming of grass and weeds from the shoulders/berms and disposing off the same to shoulders/berms and disposing off the same to shoulders/berms and disposing off the same to	15.07		km	26	17442.00	Thousand Four Hundred FourtyTwo	446,515.20
Supplying fitting and fixing R.C. guard post 1.37m long with C.C. 1:24 with graded stone chips of 13.2mm down casting, curing complete including cost of providing 4nos. of 12mm dia. rod of length 1.54m as main reinforcement and 6 nos. of round shaped 8mm dia rods used as binders; the placing of the first binder should be at 75mm below the top finished surface and the other 5 nos of binders should be placed at 245mm c/c; the guard post is of octagonal section with inscribed circle of dia 24cm at the base tapering to corresponding dimensions of 16cm at the top including two coats of painting with best quality synthetic enamel paint of approved make and grade to form 6 nos. horizontal alternate bands in white/tannery yellow and black to 90 cm length standing up above ground after mending good damages if any during striking off shuttering, making hole in ground of 47cm depth and 30cm. minimum dia, fixing the guard posts in the same holes and repacking the earth property os as to keep the guard posts standing property erect in correct position true to line and length including carriage of R. C. Guard Post with due care to the site including loading into the truck and unloading at site complete in all respect.  With Pakur variety stone chips  Cutting of branches of trees and shrubs from the road way or within ROW including disposal of wood & leaves to suitable location as per technical specifications clause 1914.  Cutting of shrubs from the road way or with in R.O.W and disposal of shrubs to suitable locations as per technical specifications clause 1914.  Trimming of grass and weeds from the shoulders/berms and disposing off the same to semi	15.08	Replacement of damaged Concrete Railing.	km	61	2075.00		126,575.00
the road way or within ROW including disposal of wood & leaves to suitable location as per technical specifications clause 1914.  Cutting of shrubs from the road way or with in R.O.W and disposal of shrubs to suitable locations as per technical specifications Clause 1914 for Rural Roads of MORD.  Trimming of grass and weeds from the shoulders/berms and disposing of the same to s	15.09	Supplying fitting and fixing R.C. guard post 1.37m long with C.C. 1:24 with graded stone chips of 13.2mm down casting, curing complete including cost of providing 4nos. of 12mm dia. rod of length 1.54m as main reinforcement and 6 nos. of round shaped 8mm dia rods used as binders; the placing of the first binder should be at 75mm below the top finished surface and the other 5 nos of binders should be placed at 245mm c/c: the guard post is of cotagonal section with inscribed circle of dia 24cm at the base tapering to corresponding dimensions of 16cm at the top including two coats of painting with best quality synthetic enamel paint of approved make and grade to form 6 nos. horizontal alternate bands in whitetannery yellow and black to 90 cm length standing up above ground after mending good damages if any during striking off shuttering, making hole in ground of 47cm depth and 30cm. minimum dia, fixing the guard posts in the same holes and repacking the earth properly os as to keep the guard posts standing properly erect in correct position true to line and length including carriage of R. C. Guard Post with the cuder to the stei including loading into the truck and unloading at site complete in all respect.	sqm	0	714.00		0.00
15.11 R.O.W and disposal of shrubs to suitable locations as per technical specifications Clause 1914 for Rural Roads of MORD.  Trimming of grass and weeds from the shoulders/berms and disposing off the same to 1512	15.10	the road way or within ROW including disposal of wood & leaves to suitable location as per technical specifications clause 1914.	km	15	95.00		1,425.00
shoulders/berms and disposing off the same to sam 26528 2.00 Purpose Two Only 53.055.00	15.11	R.O.W and disposal of shrubs to suitable locations as per technical specifications Clause	each	150	5.90		885.00
Clause 1914 for rural Roads of MORD.	15.12	shoulders/berms and disposing off the same to suitable locations as per technical specifications	sqm	26528	2.00	Rupees Two Only	53,055.00

## PRADHAN MANTRI GRAM SADAK YOJANA (PMGSY) 16. SCHEDULE OF QUANTITIES (SOQ): 5th YEAR ROUTINE MAINTENANCE WORKS

District Block Purab Burdwan Monteswar

Bridge on un-bridged gap over existing PMGSY road namely Majhergram to Gabrupur in Road of L040- Majhergram to Gabrupur via Piagram Under Monteswar Block Name of Work

Раскаде .	WB-22-BRI-U1			1		
ıs ĕ	Brief Description of Item	Unit	Quantity		Rate (Rs)	Amount (Rs)
16.01	Restoration of rain cuts with soil, moorum gravel or a mixture of these, clearing the loose soil, benching for 300mm width laying fresh material in layers not exceeding 250 mm and compaction with plate compactor or power rammer to restore the original alignment, level and slopes as per drawings and technical specifications Clause 1902 for Rural Roads of MORD.  A. Maintenance of Earthen shoulder (filling with fresh selected soil) Making up loss of material/irregularities on shoulders to the design level by adding fresh approved selected soil and compacting with appropriate equipment at OMC upto a lead of 1000 m as per technical specification Clause 1903 for Rural Roads of MORD. (Average thickness 150 mm)	cum	1181.25	26.20	Rupees TwentySix Paise Twenty Only	30,948.75
16.02	Repair to pot holes by removal of failed material, trimming the sides to vertical and leveling the bottom, cleaning the same with compressed air or any ppropriate method filled with B.M. (thickness not more than 75 mm in single layer) applying bitumen emulsion prime coat at the bottom and bitumen emulsion tack coat on sides and on bottom as per technical specifications Clauses 502 and 503 for Rural Roads of MORD.		37	7119.29	Rupees Seven Thousand One Hundred Nineteen Paise TwentyNine Only	264,339.24
16.03	Repair to pot holes by removal of failed material, trimming the sides to vertical and leveling there bottom, cleaning the same with compressed air or any appropriate method filled with 75 mm B. M. after applying Bitumen emulsion prime coal at the bottom and bitumen emulsion tack coal on sides and on bottom as per technical specifications clauses 502, 503 & 504.		619	171.15	Rupees One Hundred SeventyOne Paise Fifteen Only	105,899.06
16.04	Removal of existing cement concrete wearing coat including its disposal complete as per Technical specification without causing any detrimental effect to any part of the bridge structure and removal of dismantled material with all lifts and lead upto 1000m (Thickness 75 mm)	sqm	385	113.00	Rupees One Hundred Thirteen Only	43,505.00
16.05	Providing and laying Cement concrete Wearing coat M-30 grade with graded stone chips 19mm down including screening and cleaning approved stone chips and sand as necessary laying, finishing complete to camber and grade, curing with water, including cost and carriage of all materials and hire charges for form work including reinforcement complete as per drawing and Technical Specifications vide clause no. 2702 of MoRT&H's Specification for Road & Bridge Works.	rm	385	186.98	Rupees One Hundred EightySix Paise NinetyEight Only	71,987.30
16.06	Replacement of bearings complete as per Technical specification	each	18	18799.64	Rupees Eighteen Thousand Seven Hundred NinetyNine Paise SixtyFour Only	338,393.52
16.07	Replacement of Expansion Joints complete as per drawings	km	0	17442.00	Rupees Seventeen Thousand Four Hundred FourtyTwo Only	0.00
16.08	Replacement of damaged Concrete Railing.	km	61	2075.00	Rupees Two Thousand SeventyFive Only	126,575.00
16.09	Refixing displaced R.C. Guard post Supplying fitting and fixing R.C. guard post 1.37m long with C.C. 1:2:4 with graded stone chips of 13.2m down easting, curing complete including to 1.54m down easting, curing complete including to 1.54m down easting and including to 1.54m down and including to 1.54m down and including the 1.54m down the top finished surface and the other 5 nos of binders should be placed and section with inscribed circle of dia 24cm at the other 5 nos of binders should be placed and section with inscribed circle of dia 24cm at the other 5 nos of binders should be placed and section with inscribed circle of dia 24cm at the other 1 nos of binders should be placed on section with inscribed circle of dia 24cm at the base tapering to corresponding dimensions of 16cm at the top including two coats of painting with best quality synthetic enamel paint of approved make and grade to form 6 nos. horizontal alternate bands in whitethannery yellow during striking off shuttering, making hole in ground of 47cm depth and 30cm, minimum dia, fixing the guard posts in the same holesen the guard posts standing property erect in correct position true to line and length including carriage of R.C. (2 Guard Post with due care to the site including load in the text of the site including load	sqm	20	714.00	Rupees Seven Hundred Fourteen Only	14,280.00
16.10	Cutting of branches of trees and shrubs from the road way or within ROW including disposal of wood & leaves to suitable location as per technical specifications clause 1914.	km	15	95.00	Rupees NinetyFive Only	1,425.00
16.11	Cutting of shrubs from the road way or with in R.O.W and disposal of shrubs to suitable locations as per technical specifications Clause 1914 for Rural Roads of MORD.		150	5.90	Rupees Five Paise Ninety Only	885.00
16.12	Trimming of grass and weeds from the shoulders/berms and disposing off the same to suitable locations as per technical specifications Clause 1914 for rural Roads of MORD.	sqm	30949	2.00	Rupees Two Only	61,897.50
	TOTAL COST FOR 1st YEAR ROUT	INE M	AINTENANC	E WORKS	<u> </u>	1,060,135.37