



**Office of the Superintending Engineer, Medinipur Circle
Panchayats and Rural Development Department
Government of West Bengal
RRNMU, Medinipur Circle
Khasjungle, P.O. – Abash, Dist. – Paschim Medinipur, PIN - 721102
E-Mail : medinipur.rrnmu@gmail.com**

Memo No.- 2670/SE/ESTT/RRNMU-MID/2024-25

Dated- 28.01.2025

2nd Corrigendum

2nd Corrigendum to e-NIT No. 29/PMGSY-III/PASMED/2024-25/20 Date 31.12.2024,

Tender ID: 2025_WBSRD_138603_1

Tender Ref: WB201258

The undernoted modifications to this office Notice inviting Tender no. **29/PMGSY-III/PASMED/2024-25/20, Sl. No. 18, Dated 31.12.2024** for the road works under Paschim Medinipur District, under PMGSY III (Batch-I), 2024-2025, is notified for general information.

Sl. No	Ref.	Particulars	As per published SOQ tender portal (In Place of)	To be read as
1.	SOQ published in tender portal	5. Drainage 6. Protective Works 7. Routine Maintenance Works	Item Nos. 5.05, 5.06, 5.07, 5.08, 6.01, 6.02, 6.03, 6.04 and 7 (Routine Maintenance works) were not included.	Modified full SOQ attached herewith the Corrigendum Notice.

All others terms and conditions will remain unchanged.

Sd/-
Superintending Engineer,
P&RD Deptt.
Govt. of West Bengal
RRNMU, Medinipur Circle.

Memo No.- 2670/1(6)/SE/ESTT/RRNMU-MID/2024-25

Dated- 28.01.2025

Copy forwarded for information to:

- (i) Shri Shekhar Sen, Additional Secretary, P&RD Department, Govt. of West Bengal & ACEO, WBSRDA
- (ii) Shri Debasish Biswas, OSD & Ex officio Chief Engineer, P&RD Department, Govt. of West Bengal.
- (iii) Superintending Engineer (all), WBSRDA
- (iv) Executive Engineer, HPIU/APIU (all), WBSRDA
- (v) Office Notice Board.
- (vi) Guard File.

Sd/-
Superintending Engineer,
P&RD Deptt.
Govt. of West Bengal
RRNMU, Medinipur Circle.

**Bidding Document
For
Pradhan Mantri Gram Sadak Yojana
(PMGSY)
For
Construction & Maintenance**



Name of the Road : MRL10-BULANPUR TO AMLASULI

Package No. : WB201258

Road Length : 21.100 Km.

Block : Garbeta II

District : Paschim Medinipur

FINANCIAL BID

West Bengal State Rural Development Agency
(An Agency of P&RD Department)
Government of West Bengal

Section 6 Form of Bid

Date : _____

To
The Superintending Engineer,
WBSRDA, RRNMU, Midnapore Circle,
Khasjungle, P.O. –Abash,
Dist. Paschim Medinipur, Pin.-721102.

Description of the work : _____
Indentification Number of
the Works : _____

1. I/We offer to excute the works described above and remedy any defects therein, and carry out the routine maintenance in conformity with the Conditions of Contract, specifications, drawings, Bill of Quantities and Addenda for the road

2. We undertake to commence the works on receiving the Notice to Proceed with work in accordance with the contract documents.
3. This Bid and your written acceptance of it shall constitute a binding Contract between us. We understand that you are not bound to accept the lowest or any Bid you receive.

I/We hereby confirm that this Bid complies with the Bid validity and Earnest Money required by the bidding documents and specified in the Appending

Authorized Signature : _____
Name and Title of Signatory : _____
Name of Ridder : _____

Standard Bidding Document for PMGSY

Authorised Address of Communication

Telephone No. of Office :

Mobile No. :

Electronic Mail Identificaton (E-mail ID) :-

Section 7.

Bill of Quantities Preamble

1. The Bill of Quantities shall be read in conjunction with the Instructions to Bidders, Conditions of Contract, Specifications and Drawing.
2. For the construction of works, the quantities given in the Bill of Quantities are estimated, and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work ordered and carried out, as measured by the C

At percentage rate above or below or at par of the Schedule of Rates as tendered by the contractor.

For the routine maintenance of roads, there is provision ofr maintenance for 5 (five) years. The payments will be based on satisfactory performance of routine maintenance activities as per Bill of Quantities.

3. The rates and prices tendered in the priced Bill of Quantities shall, except in so far as it is otherwise provided under the Contract, include all constructional plant, labour, supervision, materials, erection, maintenance, insurance, profit, taxes an
4. Arithmetic errors will be corrected by the Employer pursuant to Clause 26 of the Instructions of Bidders.
5. When percentage rate tenders are invited, the Bill of Quantities will show in the bidding documents the rates used for the different items.

District:	PASCHIM MEDINIPUR
Block:	GARBETA-II
Road Name:	BULANPUR TO AMLASULI
Length (km+m):	21+100
Package No.:	WB201258

SUMMARY OF COST ESTIMATE

BILL DESCRIPTION	AMOUNT (Rs.)
1.PAVEMENT WORKS	163669225.00
2. ROAD SAFETY WORKS	5540588.00
3. ROAD FURNITURE WORKS	227142.00
4. CROSS DRAINAGE WORKS	16906587.00
5. DRAINAGE	562507.00
6. PROTECTIVE WORKS	10935779.00
Cost of Construction =	197841828.00
18%GST(9%CGST+9%SGST)	35611529.04
CESS 1%	1978418.28
Total Cost of Construction (A) =	235431775.32
7. ROUTINE MAINTENANCE WORKS	
1st Year Routine Maintenance	478601.00
2nd Year Routine Maintenance	787245.00
3rd Year Routine Maintenance	3374127.00
4th Year Routine Maintenance	5435987.00
5th Year Routine Maintenance	8726193.00
Routine Maintenance Cost =	18802153.00
18%GST(9%CGST+9%SGST)	3384387.54
CESS 1%	188021.53
Total Routine Maintenance Cost (B)=	22374562.07
Total (A + B) =	257806337.39
A. GRAND TOTAL (INCLUDING MAINTENANCE)	257806337.39
B. GRAND TOTAL (EXCLUDING MAINTENANCE)	235431775.32
C. Cost Per km (Excluding Maintenance)	11157904.04
D. Cost Per km (in Lakhs)	111.58

SCHEDULE OF QUANTITIES (S.O.Q.) FOR THE PMGSY ROADS IN THE DISTRICT PASCHIM MEDINIPUR

Name of Road:: BULANPUR TO AMLASULI							Package No. WB201258						
Sl No.	Description of item	Unit	Qty	Rate	Rate(Words)	Amount (Rs.)							
1.00	PAVEMENT WORK												
1.01	Clearing and grubbing road land												
	Clearing and grubbing road land including uprooting wild vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300 mm, removal of stumps of such trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, upto a lead of 1000 m including removal and disposal of top organic soil not exceeding 150 mm in thickness as per Technical Specification Clause 201 of Specifications for Rural Roads (1st Revision).	Ha	10.55	12887.00	Rupees Twelve Thousand Eight Hundred Eighty Seven Only	135958.00							
	Cutting Trees												
	Cutting of Trees including Cutting of Trunks, Branches and Removal of Stumps Lead upto 100 m (i) Girth above 300 mm and upto 600 mm	Nos	317.00	232.00	Rupees Two Hundred Thirty Two Only	73544.00							
	Cutting of Trees including Cutting of Trunks, Branches and Removal of Stumps Lead upto 100 m (ii) Girth above 600 mm and upto 900 mm	Nos	106.00	398.00	Rupees Three Hundred Ninety Eight Only	42188.00							
1.02	Construction of embankment with approved materials deposited at site from roadway cutting and excavation from drain and foundation of other structures graded and compacted to meet requirement of Tables 300.1 and 300.2 as per Technical Specification Clause 301.5 of Specifications for Rural Roads (1st Revision).	Cum	12178.88	79.00	Rupees Seventy Nine Only	962132.00							
1.03	Box cutting												
	Box cutting or filling in Road embankment in all sorts of soil including spreading the spoils properly over the flank as necessary or on berm to approximate grade & camber and rolling the subgrade with power roller to proper camber and grade as per direction and satisfaction of Engineer-in-charge including uprooting and removing plants and jungles when and where necessary. a) Depth upto 150mm	sqm	36738.71	14.00	Rupees Fourteen Only	514342.00							
	(b) Depth above 150 mm & upto 300 mm	Sqm	734.77	52.00	Rupees Fifty Two Only	38208.00							
1.04	Picking of layer												
	Picking up and removing old bituminous layer or sand seal coat from old black topped surface and cleaning the exposed surface by scraping and stacking the material as directed by the Engineer in charge. By manual means upto 50mm thick	sqm	79125.00	4.00	Rupees Four Only	316500.00							

Sl No.	Description of item	Unit	Qty	Rate	Rate(Words)	Amount (Rs.)
1.05	Item substituted - Construction of Embankment/Subgrade / Shoulder with materials obtained from Borrow pits Construction of embankment, Sub-grade, shoulder, etc. with approved material obtained from borrow pits with a lift up to 1.5 m, transporting to site, throwing the same in not more than 25 cm (loose) thick layers and compacting by Power Roller, each layer of soil below the sub-grade level in embankment at OMC to meet 98% of SPD and the top 30 cm upto the sub-grade level and shoulder at OMC to meet 100% of SPD including breaking all clods thoroughly, watering, dressing, cambering, etc. filling, depressions making sufficient number of benches on existing embankment, bailing out water, dressing side slope and crust to proper profile in accordance with the procedure of work as detailed in technical specification clauses 301.5 and 303.3 and tables 300.1, 300.2 of Specifications for Rural Roads (1st Revision) and IS 2720 Part VII including cost for proper arrangement for stripping off the grass shods, weeds, quality control, scarifying existing ground and original ground up to the depth of 150 mm and rolling the existing ground as per specification and direction of the Engineer-in-charge including all taxes, royalties, cess, etc. including cost of carriage by head load/Truck, loading & Unloading when and where necessary, lighting, guarding, and barricading, protecting etc. complete. (4 days Soaked CBR should not be less than Design Soaked CBR of Subgrade) (Payment will be made in cum on the finished work as per specifications on the basis of the prework & postwork level section measurements. Royalty charges & cess for earth @ 34.30 per cum work will be deducted under West Bengal Mines & Mineral Acts).					
	i) For embankment work with a lead up to 50m at OMC to meet 98% SPD	cum	25320.00	185.00	Rupees One Hundred Eighty Five Only	4684200.00
	ii) For embankment work with a lead up to 1000m at OMC to meet 98% SPD	cum	6330.00	240.00	Rupees Two Hundred Forty Only	1519200.00
	iii) For sub-grade and shoulder work with a lead up to 50m at OMC to meet 100% SPD	cum	16880.00	189.00	Rupees One Hundred Eighty Nine Only	3190320.00
	iv) For sub-grade and shoulder work with a lead up to 1000m at OMC to meet 100% SPD	cum	4220.00	241.00	Rupees Two Hundred Forty One Only	1017020.00
1.06	Granular Sub-base grading-II Construction of granular sub-base by providing well graded material conforming to table-400.1A and 400.1C of MORD mixing by mix in place method with rotovator, spreading in uniform layers with Tractor Mount Grader on prepared surface in proper grade and camber compacting with three wheel 80-100 KN Static roller to achieve the desired density including cost of all materials including incidental costs for lighting, guarding, barricading, including cost for hire and operational charges of machinery, tools & plants, including making necessary earthen bundh of one metre width on each side to protect the edges and cost for quality control etc. complete as per technical specification of clause 401 of Specification for Rural Roads, MORD. (Location of density test as per page no. 256 of IRC-SP20.2002). (ii) For Grading II Material by Manual Means					
		cum	6557.86	1375.64	Rupees One Thousand Three Hundred Seventy Five And Paise Sixty Four Only	9021255.00

Sl No.	Description of item	Unit	Qty	Rate	Rate(Words)	Amount (Rs.)
1.07	Construction of Hard shoulder					
	Construction of Sub Base using well graded local materials, spreading in uniform layers with tractor mount motor grader on prepared surface in proper grade and camber, including screening material as necessary, mixing by mix in place method with Rotovator at OMC, and compacting with vibratory roller to achieve the desired density including incidental costs for lighting, guarding, barricading including cost for hire and operational charges of machinery, tools & plants, including making necessary earthen bundh of one metre width on each side to protect the edges and cost for quality control etc. complete as per technical specification of clause 401 of Specification for Rural Roads (1st Revision), MORD. 100mm thk for Hard shoulder.	Cum	3747.35	1375.64	Rupees One Thousand Three Hundred Seventy Five And Paise Sixty Four Only	5155005.00
1.08	WBM Grading II By Manual Means Providing, laying, spreading and compacting grading II stone aggregates of specific sizes (63mm to 45mm) conforming to Table 400.8 of MORD for water bound macadam including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 kN static roller in stages to proper grade and camber, applying requisite type of screening/binding materials having Liquid limit (LL), Plasticity Index (PI) and passing 75 micron less than 20, 6 and 10% respectively to fill-up the interstices of coarse aggregate and brooming, watering and compacting to the required density including cost of all materials including lighting, guarding, barricading including cost for hire and operational charges of machinery, tools & plants, including making necessary earthen bundh of one metre width on each side to protect the edges and cost for quality control etc. complete as per technical specification of clause 405 of Specification for Rural Roads, MORD.	Cum	884.41	3804.50	Rupees Three Thousand Eight Hundred Four And Paise Fifty Only	3364738.00
1.09	Wet Mix Macadam Base Course Providing, laying, spreading and compacting graded stone aggregates (Table-400.12 of MORD) to Wet Mix Macadam specification including screening of aggregates and granular materials, premixing the material with water at OMC in accordance with IS2720(Part-7) in Wet Mix Plant, carriage of mixed material by tipper at site, laying in uniform layers with Paver/ Motor Grader with suitable arrangement in Sub-Base/ Base course on well prepared surface and compacting with Vibratory Roller to achieve the desired density, including supply of all materials, machinery, fuel and lubricants, including incidental costs for lighting, guarding, barricading, making earthen bundh to protect the edges including cost of quality control complete as per clause 406 of technical specification for rural Roads of MORD.	Cum	17398.41	3321.03	Rupees Three Thousand Three Hundred Twenty One And Paise Three Only	57780642.00
1.10	Prime Coat with Bitumen Emulsion Providing and applying primer coat with bitumen emulsion (SS-1 grade) conforming to IS:8887 on prepared surface of granular base (WBM/WMM) including cleaning of road surface and spraying primer at the rate of 0.85 kg/sqm using mechanical means including cost and carriage of bitumen emulsion and all other incidental costs of work complete as per Technical Specification Clause 502 of Specification for Rural Roads (1st Revision), MORD	sqm	117773.82	36.16	Rupees Thirty Six And Paise Sixteen Only	4258701.00
1.11	Tack Coat with Bitumen Emulsion Tack Coat with Bitumen Emulsion Providing and applying tack coat with Bitumen emulsion (RS-1 grade) conforming to IS:8887 using emulsion distributor at the rate of 0.20 to 0.25 kg per sqm on the prepared bituminous surface cleaned with Hydraulic broom including cost and carriage of bitumen emulsion and all other incidental costs of work complete as per Technical Specification Clause 503. of Specifications for Rural Roads.	Sqm	118371.00	10.27	Rupees Ten And Paise Twenty Seven Only	1215670.00

Sl No.	Description of item	Unit	Qty	Rate	Rate(Words)	Amount (Rs.)
1.12	Bituminous Macadam					
	Bituminous Macadam for Grading II (19mm nominal size, 50-75mm thick) Providing and laying bituminous macadam with Hot Mix Plant using approved crushed aggregates of specified grading as per Table 500.7 premixed with bitumenous binder, transported to site laid over a previously prepared surface at specified laying temperature with paver finisher to the required grade, level and allignment and rolled with suitable power roller for break down, intermediate and finished rolling as per Specification to achieve the desired compaction including cost and carriage of stone materials and bitumen including hire charges of machinery and equipment, cost of fuel and lubricants and wages of operational staff, quality control complete as per clause 504 of Specifications for Rural Roads of MoRD (1st Revision).	Cum	5888.69	7918.71	Rupees Seven Thousand Nine Hundred Eighteen And Paise Seventy One Only	46630828.00
1.13	MSS					
	Providing & Laying 25 mm thick Mix Seal Surfacing (MSS)With Waste Plastic Providing, laying and rolling of close graded premix surfacing using materials of 25 mm thickness composed of 11.2mm to 0.09mm (For Type – A) or 13.2mm to 0.09mm (For Type – B) aggregates using penetration grade bitumen to the 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 smooth wheeled roller 8 – 10 tonne capacity and finishing to required level and grade etc. including all other incidental charges, quality control as per clause 508 of specifications for Road & Bridge Works of MoRT&H (5th Revision) complete. Using VG-30 & Waste Plastic i) Using Hot Mix Plant not less than 75 T / Hr.	Sqm	118453.66	200.49	Rupees Two Hundred And Paise Forty Nine Only	23748774.00
				TOTAL		163669225.00

Signature of Contractor

SI No.	Description of item	Unit	Qty	Rate	Rate(Words)	Amount (Rs.)
2.00	ROAD SAFTY WORK					
2.01	Rumble strips Rumble Strip Providing Rumble Strip covered with premixed bituminous carpet 20mm high at centre followed by Type B Seal Coat 250 mm wide each and placed 1 m centre to centre at approved location to control speed, marked with 30 cms. Wide white strips of Road marking paint placed 60 cms. centre to centre along the alignment.	Sqm	669.38	102.99	Rupees One Hundred Two And Paise Ninety Nine Only	68939.00
2.02	R.C. Guard post Supply, fitting and fixing R.C. guard post 1.37 m. long with cement concrete 1:2:4 with graded stone chips of 13.2 mm down (of approved quality) casting, curing complete including cost of providing 4 Nos. of 12 mm dia MS rods of length 1.54 m as main reinforcement and 6 Nos. of round shaped 6 mm dia MS rods used as binders; the placing of the 1st binder should be at 75 mm below the top finished surface and the other 5 Nos. of binders should be placed at 245 mm C/C ; the guard post is of octagonal section with inscribed circle of diameter 24 cm at the base tapering to corresponding dimensions of 16 cm at the top including 2 coats of painting with best quality synthetic enamel paint of approved make and brand 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 47 cm depth and 30 cm minimum dia, fixing the guard post in the same hole and repacking the earth thoroughly so as to keep the guard post 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.	Each	839.74	698.00	Rupees Six Hundred Ninety Eight Only	586139.00
2.03	Retro-Reflectorised Traffic Signs 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 aluminum 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 and Clause 801 of Specifications for Road & Bridge Works of MoRT&H (5th Revision). (ii) 60 cm equilateral triangle					
	a) 600 cm Equilateral Triangle	Each	168.00	2652.00	Rupees Two Thousand Six Hundred Fifty Two Only	445536.00
	b) 600 cm Circular	Each	168.00	3591.00	Rupees Three Thousand Five Hundred Ninety One Only	603288.00
	c) 600 cm Square	Each	168.00	4161.00	Rupees Four Thousand One Hundred Sixty One Only	699048.00
2.04	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per Clause 803 of Specifications for Road & Bridge Works of MoRT&H (5th Revision).	Sqm	4599.80	584.00	Rupees Five Hundred Eighty Four Only	2686283.00
	Intersection improvement (3 No. of Intersection)					

SI No.	Description of item	Unit	Qty	Rate	Rate(Words)	Amount (Rs.)
2.05	Supplying & fixing of Raised Pavement Markers I Road Studs I Cats Eye made of polycarbonate moulded body and reflective panels with micro prismatic lens capable of providing total internal reflection of the light entering the lens face which shall support a load of 13635 kg tested in accordance to ASTM D 4280 Type H and complying to clause no 804 of Mirth's specification for Road & Sridge Works (Fifth Rev.). Marker height shall not be less than 10 mm and shall not exceed 20 mm, width shall not exceed 130mm and with minimum reflective area of 13 sq.cm. on each side and slope to the base shall be 35 ± 5 degree. Fixing will be without nails but by using epoxy resin based adhesive as per manufacturer's recommendation including site clearance etc. and complete as directed by the Engineer in Charge .The contractor will have to provide a test certificate from a reputable national/international laboratory conforming the above specifications.	Each	1452.00	255.00	Rupees Two Hundred Fifty Five Only	370260.00
2.06	Direction and Place Identification Signs upto 0.9 sqm Size Board: 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 single 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 and Clause 801 of Specifications for Road & Bridge Works of MoRT&H (5th Revision)..	Sqm	1.80	9053.00	Rupees Nine Thousand Fifty Three Only	16295.00
2.07	Supplying & fixing of Hazard Markers of size : 30cm X 90 cm as per IRC :79-1981 (The above is inclusive of vertical post)	Each	18.00	3600.00	Rupees Three Thousand Six Hundred Only	64800.00
						5540588.00
TOTAL						

Signature of Contractor

SI No.	Description of item	Unit	Qty	Rate	Rate(Words)	Amount (Rs.)
3.00 ROAD FURNITURE						
3.01	Providing and fixing of typical PMGSY "Logo board/Logo Board at starting point" as per drawing and specifications of NRRDA having 1.6 mm thick 2 nos. 600 x 600 mm MS Sheet and 1.6 mm thick 2 nos. 1100 x 300 mm MS plate facing both sides of the alignment duly welded all Board with vertical square Post and 2 nos horizontal MS flats on back, embedding leg of MS square post of 75mm x 75mm of 12 SWG sheet in M-15 grade cement concrete 600 mm square size and 750 mm below the ground level and keeping 50mm height above the ground level, two coats of Epoxy painting on MS square flats and back side of the MS sheets over a coat of primer and two coats of ready mixed approved brand synthetic oil bound paint over a coat of Epoxy coated priming of rearside of the MS plates with Bands and letterings of different shades and sizes as directed and specified in the approved design with oil bound ready mixed synthetic paint complete in all respect. (i) Logo Board at starting point (as per fig. 107 of Road signage under PMGSY Published by the NRRDA on Dec. '06.)					
	<i>(i) Logo Board at starting point (As per fig. 107 of Road signage under PMGSY published by the NRRDA on Dec'06)</i>	Each	1.00	7627.36	Rupees Seven Thousand Six Hundred Twenty Seven And Paise Thirty Six Only	7627.00
	<i>(ii) Logo Board (As per fig. 5 of Road signage under PMGSY published by the NRRDA on Dec'06)</i>	Each	10.00	8234.36	Rupees Eight Thousand Two Hundred Thirty Four And Paise Thirty Six Only	82344.00
3.02	Providing and Fixing 'Logo' of PMGSY Project Providing and Fixing 'Logo' of PMGSY Project Providing and fixing of typical PMGSY inforamatory 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 25mm x 5mm 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 75mm 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					
		Each	1	10642	Rupees Ten Thousand Six Hundred Forty One And Paise Sixty Five Only	10642.00
3.03	Providing and fixing "Citizen's Information Board" for PMGSY Project Providing and fixing "Citizen's Information Board" for PMGSY Project Providing and fixing typical "Citizen's Information Board" with Logo of PMGSY as per NRRDA Specifications and drawing having two nos MS sheet of 1.6 mm thick 900mm x 750mm size each duly welded with 2 Nos. vertical and 4 Nos. horizontal M.S. flat 50 mm x 6mm size on back. The ends of the M.S. flats to be welded with 2 x 2450 mm x 1150mm frame of M.S square 75mm x 75mm of 12 SWG sheet, two legs of M.S. square posts to be embedded in cement concrete M-15 grade of 600 mm x 600 mm size and 750 mm below the ground level and keeping 50 mm height above the ground level, two coats of Epoxy painting on MS square, flats and backside of the M.S. sheets with a coat of primer and two coats of ready mixed approved brand synthetic oil bound paint over a coat of Epoxy coated priming on rearside of the M.S plates with Bands and lettering of different approved shades as directed as shown in the approved design with oil bound ready mixed synthetic paint and providing 70 mm x 70 mm size PMGSY Logo.					
		Each	1	13176	Rupees Thirteen Thousand One Hundred Seventy Five And Paise Ninety Seven Only	13176.00
3.04	Kilometre Stone Reinforced cement concrete M15 grade kilometre stone/local stone of standard design as per IRC:8 fixing in position including painting and printing, etc as per drawing and Technical Specification Clause 1703 of Specification for Rural Roads. 5th Kilometre Stone (precast)					
		Each	4.00	3556.03	Rupees Three Thousand Five Hundred Fifty Six And Paise Three Only	14224.00

SI No.	Description of item	Unit	Qty	Rate	Rate(Words)	Amount (Rs.)
3.05	Construction of Ordinary Kilometre Stone (Precast)					
	Kilometre Stone Reinforced cement concrete M15 grade kilometre stone/local stone of standard design as per IRC:8 fixing in position including painting and printing, etc as per drawing and Technical Specification Clause 1703 of Specification for Rural Roads. Ordinary Kilometre Stone (precast)	Each	19.00	2128.23	Rupees Two Thousand One Hundred Twenty Eight And Paise Twenty Three Only	40436.00
3.06	Construction of 200 Metre Stone (Precast)					
	Kilometre Stone Reinforced cement concrete M15 grade kilometre stone/local stone of standard design as per IRC:8 fixing in position including painting and printing, etc as per drawing and Technical Specification Clause 1703 of Specification for Rural Roads. 200 m stone(precast)	Each	84.00	532.44	Rupees Five Hundred Thirty Two And Paise Forty Four Only	44725.00
3.07	Providing and fixing "Maintenance Information Board" for PMGSY Project					
	Providing and fixing "Maintenance Information Board" for PMGSY Project Providing and fixing typical "Maintenance Information Board" with Logo of PMGSY as per NRRDA Specifications and drawing having one nos MS sheet of 1.6 mm thick 900mm x 1500mm size duly welded with 4 Nos. vertical and 8 Nos. horizontal M.S. flat 50 mm x 6mm size on back. The ends of the M.S. flats to be welded with 2 x 2450 mm x 1150mm frame of M.S square 75mm x 75mm of 12 SWG sheet, two legs of M.S. square posts to be embedded in cement concrete M-15 grade of 600 mm x 600 mm size and 750 mm below the ground level and keeping 50 mm height above the ground level, two coats of Epoxy painting on MS square, flats and backside of the M.S. sheets with a coat of primer and two coats of ready mixed approved brand synthetic oil bound paint over a coat of Epoxy coated priming on rearside of the M.S plates with Bands and lettering of different approved shades as directed as shown in the approved design with oil bound ready mixed synthetic paint and providing 70 mm x 70 mm size PMGSY Logo 2 nos. The rate of each Board is inclusive of M.S square, M.S flats, M.S plates, cost of M-15 Cement Concrete, all labour and welding charges, cost of all paintings and primer, Cost of Carriage & fixing and all other incidental charges in this regard to complete in all respect maintaining line and level as directed by the Engineer-in-Charge including cost of protection, barricading, lighting etc.	Each	1.00	13967.97	Rupees Thirteen Thousand Nine Hundred Sixty Seven And Paise Ninety Seven Only	13968.00
				TOTAL		227142.00

Signature of Contractor

Sl No.	Description of item	Unit	Qty	Rate	Rate(Words)	Amount (Rs.)
4.00	CROSS DRAINAGE WORK					
4.01	Earthwork in excavation of foundation of structures as per drawing and technical specifications Clause 305.1 of Specification for Rural Roads (1st Revision) 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,levelling,dressing and ramming the bottom and backfilling with approved material complete as per direction of the Engineer-in-charge I.Ordinary Soil (a)Upto 3 m depth	cum	2992.73	266.00	Rupees Two Hundred Sixty Six Only	796066.00
4.02	Dismantling of existing structures like culverts, bridges, retaining walls and other structures comprising of brick masonry, including disposal of unserviceable material and stacking the serviceable material with all lift and lead of 1000 m as per Technical Specification Clause 202. of Specifications for Rural Roads. (B) Cement mortar of any proportion	Cum	316.80	301.00	Rupees Three Hundred One Only	95357.00
4.03	Removing all types of Hume pipes and stacking within a lead of 1000 m including Earthwork and Dismantling of Masonry Works as per Technical Specification Clause 202 of Specifications for Rural Roads (A) Upto 600 mm dia Hume pipe	Mtr	275.00	173.00	Rupees One Hundred Seventy Three Only	47575.00
4.04	Providing plain/reinforced cement concrete (M-10) in open foundation with or without reinforcements in any part of foundation with graded stone chips of appropriate nominal sizes including screening and cleaning of coarse aggregates, fine aggregates(sand) conforming to proper grading zone, both of approved quality and cement as necessary, mixing in concrete mixer of suitable capacity and cost of curing with water, including preparation of design mix approved of the same by the Engineer in charge , cost for quality control, sampling, testing etc. including cost of form work but excluding reinforcement complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 of Specification for Rural Roads (1st Revision).	CuM.	1293.77	5240.69	Rupees Five Thousand Two Hundred Forty And Paise Sixty Nine Only	6780242.00
	Back filling/Filling Material					
4.05	Sand filling in foundation trenches and at the back of abutment, wing walls etc. with good local sand free from earth in layers not exceeding 150mm including inundating each layer by profuse water and poking and ramming layer complete etc. as per direction of Engineer in charge.	Cum	1148.44	576.60	Rupees Five Hundred Seventy Six And Paise Sixty Only	662188.00
4.06	Supplying, spreading and compacting Sand to required thickness in layers not exceeding 150mm to proper gradient and camber, inundating each layer by water and packing and ramming layer by layer to achieve desired compaction, including lighting, guarding, barricading and making adequate earthen bundh where necessary, curing with water as per direction, mending cracks and depressions by ramming wherever necessary. Construction wing will add cost at site of the materials to arrive the complete rate. The compaction factor for dry, clean sand may be taken as 0.835. Payment to be made on the basis of Finished compacted volume of Sand."	Cum	113.25	576.60	Rupees Five Hundred Seventy Six And Paise Sixty Only	65300.00
	Substructure					

4.07	Plain/reinforced cement concrete(M15 Grade) in substructure for height upto 5m with coarse aggregates of appropriate nominal sizes and grading including screening and cleaning, fine aggregate (sand) conforming to proper grading zone, both of approved quality, cement and water reducing admixtures, as necessary and mixing in concrete mix of suitable capacity and cost of curing with water, including labour, including preparation of design mix approved of the same by the Engineer in charge, cost for quality control, sampling, testing etc. including cost of form work but excluding reinforcement complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1206 of Specification for Rural Roads (1st Revision), MORD.Using Panchami variety	cum	828.68	5543.00	Rupees Five Thousand Five Hundred Forty Three Only	4593382.00
4.08	Type A (Concrete Cradle) Bedding Laying concrete cradle bedding with M15 Grade Cement Concrete on a firm foundation of uniform density throughout the length of the culvert and shall conform to the specified levels and grade including hire and operational charges for machinery and tools & plants etc. complete as per Clause 1101.5 (i) of Specification for Rural Roads, MORD. The pipe shall be laid in accordance with the requirements of IS:783 on concrete bedding before the concrete has set.	Cum	21.78	5656.13	Rupees Five Thousand Six Hundred Fifty Six And Paise Thirteen Only	123191.00
4.09	Reinforced cement concrete in substructure M20 (as per design) for height upto 5m with coarse aggregates of appropriate nominal sizes and grading including screening and cleaning, fine aggregate (sand) conforming to proper grading zone, both of approved quality, cement and water reducing admixtures, as necessary and mixing in concrete mix of suitable capacity and cost of curing with water, including labour, including preparation of design mix approved of the same by the Engineer in charge, cost for quality control, sampling, testing etc. including cost of form work but excluding reinforcement complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1206 of Specification for Rural Roads (1st Revision), MORD.	cum	102.39	6421.95	Rupees Six Thousand Four Hundred Twenty One And Paise Ninety Five Only	657543.00
4.10	Supplying, fitting, and placing HYSD bar reinforcement in substructure 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 1mm in size and conforming to IS:280 at every intersection, hooked and bent to correct shape and place on forms etc. including cost of black annealed wire complete as per drawing and technical specifications Clauses 1002, 1005, 1010 and 1202 of Specification for Rural Roads (1st Revision), MORD.	MT	7.88	59492.51	Rupees Fifty Nine Thousand Four Hundred Ninety Two And Paise Fifty One Only	469034.00
4.11	Painting Lines, Dashes, Arrows etc on Roads in Two Coats on New Work Painting lines, dashes, arrows etc on roads in two coats on new work with ready mixed road marking paint conforming to IS:164 on bituminous surface, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control (Reference to MORT&H's specification 803) (i) Over 10 cm in width	Sqm	447.16	89.00	Rupees Eighty Nine Only	39797.00
4.12	Hire and labour charges for staging with sal bullah for super structure of bridge (Major and Minor) including stripping off and removing clearing on completion of work as per design and drawing approved by the Engineer-in-charge	Cum	595.00	199.00	Rupees One Hundred Ninety Nine Only	118405.00

4.13	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 in 500, centre to centre spacing between vertical post not to exceed 2000 mm. leaving adequate space between vertical post for expansion, complete as per MoRT&H standard drawing no SD/202 and technical specifications.	Mtr	92.82	1835.00	Rupees One Thousand Eight Hundred Thirty Five Only	170325.00
4.14	Brick masonry work in cement mortar in specified proportion in foundation with medium sand conforming to proper grading zone and cement mixed preferably in mechanical mixer operated manually or by power and first class bricks (kiln burnt) thoroughly soaked in water for a minimum period of one hour before use, including curing with water but excluding pointing and plastering complete as per drawing and technical specification Clauses 602, 603, 604, 1202 & 1206 of Specification for Rural Roads, MORD. In 1:4 cement mortar	Cum	2.25	5262.90	Rupees Five Thousand Two Hundred Sixty Two And Paise Ninety Only	11842.00
4.15	Removal of defective concrete, cleaning the surface thoroughly, applying the concrete mixture mechanically with compressed air under pressure, comprising of cement, sand, coarse aggregates, water and quick setting compound in the proportion as per clause 2807.1., sand and coarse aggregates conforming to IS: 383 and table 1 of IS: 9012 respectively, water cement ratio ranging from 0.35 to 0.50, density of gunite not less than 2000 kg/cum, strength not less than 25 MPa and workmanship conforming to clause 2807.6. (40 mm average thickness.)	Sqm	262.50	255.33	Rupees Two Hundred Fifty Five And Paise Thirty Three Only	67024.00
4.16	Gunite concrete surface with cement mortar (25 mm nominal thick) applied with compressor after cleaning surface and spraying with epoxy complete as per Technical specification	Sqm	262.50	892.17	Rupees Eight Hundred Ninety Two And Paise Seventeen Only	234195.00
4.17	Epoxy bonding of new concrete to old concrete	Sqm	262.50	505.76	Rupees Five Hundred Five And Paise	132762.00
4.18	Applying epoxy mortar (10 mm nominal thick) over leached, honey combed and spalled concrete surface and exposed steel reinforcement complete as per Technical specification	Sqm	262.50	650.54	Rupees Six Hundred Fifty And Paise Fifty Four Only	170767.00
4.19	Neat cement punning on cement plaster surface including cost of cement, labour, curing and all other incidental charges etc. complete.	Sqm	521.32	43.00	Rupees Forty Three Only	22417.00
4.20	15 mm thick Plastering with cement mortar (1:4) on brickwork as per drawing and technical Specification Clauses 613.4 and 1206 of Specification for Rural Roads including curing complete.	sqm	672.44	168.01	Rupees One Hundred Sixty Eight And Paise One Only	112977.00
	Superstructure					0.00
4.21	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards outward face complete as per drawing and technical specification Clauses 614, 709, 1206.3 of Specification for Rural Roads (1st Revision) including curing complete.	nos.	752.00	190.00	Rupees One Hundred Ninety Only	142880.00
4.22	Providing and laying boulder apron for bed protection with stone boulders of minimum size and weight as per Table 1300.1, no fragment weighing less than 25 kg laid dry complete as per drawing and technical specifications Clause 1301 of specification for Rural roads	Cum	80.21	1985.66	Rupees One Thousand Nine Hundred Eighty Five And Paise Sixty Six Only	159270.00

4.23	Providing and laying reinforced cement concrete pipe NP3 with spigot socket for culverts on first class bedding of granular material in single row including filling with cement mortar 1:2 but excluding excavation, protection works, backfilling and masonry work in head walls and parapets including pumping out water, lighting, barricading, protecting etc. complete as per Clause 1101.6 of Specification for Rural Roads (1st Revision).					
	A.300 mm dia (As Conduit)	m	315.00	1511.15	Rupees One	476012.00
	B.1000 mm dia (As HP)	Mtr	137.50	5512.99	Rupees Five	758036.00
		TOTAL				16906587.00

Signature of Contractor

Sl No.	Description of item	Unit	Qty	Rate	Rate(Words)	Amount (Rs.)
5.00	DRAIN (200 m length)					
5.01	Earthwork in excavation of foundation of structures as per drawing and technical specifications Clause 305.1 of Specification for Rural Roads (1st Revision) 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,levelling,dressing and ramming the bottom and backfilling with approved material complete as per direction of the Engineer-in-charge I.Ordinary Soil (a)Upto 3 m depth	cum	140.00	266.00	Rupees Two Hundred Sixty Six Only	37240.00
5.02	Sand filling in foundation trenches and at the back of abutment, wing walls etc. with good local sand free from earth in layers not exceeding 150mm including inundating each layer by profuse water and poking and ramming layer complete etc. as per direction of Engineer in charge.	Cu m	28.00	576.60	Rupees Five Hundred Seventy Six And Paise Sixty Only	16145.00
5.03	Providing plain/reinforced cement concrete in open foundation with or without reinforcements in any part of foundation with graded stone chips of appropriate nominal sizes including screening and cleaning of coarse aggregates, fine aggregates(sand) conforming to proper grading zone, both of approved quality and cement as necessary, mixing in concrete mixer of suitable capacity and cost of curing with water, including preparation of design mix approved of the same by the Engineer in charge , cost for quality control, sampling, testing etc. including cost of form work but excluding reinforcement complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 of specification for Rural Roads P.C.C. grade M 10 Nominal mix 1:3:6	Cu m	20.00	5240.69	Rupees Five Thousand Two Hundred Forty And Paise Sixty Nine Only	104814.00
5.04	Providing plain/reinforced cement concrete in open foundation with or without reinforcements in any part of foundation with graded stone chips of appropriate nominal sizes including screening and cleaning of coarse aggregates, fine aggregates(sand) conforming to proper grading zone, both of approved quality and cement as necessary, mixing in concrete mixer of suitable capacity and cost of curing with water, including preparation of design mix approved of the same by the Engineer in charge , cost for quality control, sampling, testing etc. including cost of form work but excluding reinforcement complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 of specification for Rural Roads P.C.C. grade M 15 Nominal mix 1:2.5:5	Cu m	50.00	5240.69	Rupees Five Thousand Two Hundred Forty And Paise Sixty Nine Only	262035.00
5.05	Plain/reinforce cement concrete in substructure for height upto 5m with coarse aggregates of appropriate nominal sizes and grading including screening and cleaning, fine aggregate (sand) conforming to proper grading zone, both of approved quality, cement and water reducing admixtures, as necessary and mixing in concrete mixwe of suitable capacity and cost of curing with water, including labour, including preparation of design mix approved of the same by the Engineer in charge, cost for quality control, sampling, testing etc. including cost of form work but excluding reinforcement complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1206 of Specification for Rural Roads, MORD. RCC grade M-20 (As per Mix Design)	Cu m	4.00	6421.95	Rupees Six Thousand Four Hundred Twenty One And Paise Ninety Five Only	25688.00

5.06	Supplying, fitting and placing bar reinforcement in substructure including cost of steel materials and carriage etc. complete as per drawings and technical specification Clauses 1002, 1005, 1010 and 1202 of specification for Rural Roads.	MT	0.47	59492.51	Rupees Fifty Nine Thousand Four Hundred Ninety Two And Paise Fifty One Only	27961.00
5.07	15 mm thick Plastering as per approval of the Engineer in charge with cement mortar (1:4) with medium sand conforming to proper grading zone and cement mixed preferably in mechanical mixer operated manually or by power on brickwork, including wetted the surface of brickwork before starting the plastering work and including the cost of curing with water complete as per drawing and technical Specification Clauses 613.4 and 1206 of Specification for Rural Roads, MORD.	Sqm	420.00	168.01	Rupees One Hundred Sixty Eight And Paise One Only	70564.00
5.08	Neat cement punning on cement plaster surface including cost of cement, labour, curing and all other incidental charges etc. complete.	Sqm	420.00	43.00	Rupees Forty Three Only	18060.00
		TOTAL				562507.00

Signature of Contractor

Sl No.	Description of item	Unit	Qty	Rate	Rate(Words)	Amount (Rs.)
6.00	PROTECTIVE WORK (800 m length)					
6.01						
	Excavation for Structures Earthwork in excavation for foundation of structures upto 3 m depth as per drawing and technical specification Clause 1101.4 including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material including pumping out water, lighting, barricading, protecting etc. complete as per of Specification for Rural Roads. Ordinary Soil upto 3m depth	Cum	4140.00	266.00	Rupees Two Hundred Sixty Six Only	1101240.00
6.02						
	Sand filling in foundation trenches and at the back of abutment, wing walls etc. with good local sand free from earth in layers not exceeding 150mm including inundating each layer by profuse water and poking and ramming layer complete etc. as per direction of Engineer in charge.	Cum	396.00	576.60	Rupees Five Hundred Seventy Six And Paise Sixty Only	228334.00
6.03	Providing plain/reinforced cement concrete in open foundation with or without reinforcements in any part of foundation with graded stone chips of appropriate nominal sizes including screening and cleaning of coarse aggregates, fine aggregates(sand) conforming to proper grading zone, both of approved quality and cement as necessary, mixing in concrete mixer of suitable capacity and cost of curing with water, including preparation of design mix approved of the same by the Engineer in charge , cost for quality control, sampling, testing etc. including cost of form work but excluding reinforcement complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 of specification for Rural Roads P.C.C. grade M 15 Nominal mix 1:2.5:5	Cum	1804.00	5240.69	Rupees Five Thousand Two Hundred Forty And Paise Sixty Nine Only	9454205.00
6.04	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards outward face complete as per drawing and technical specification Clauses 614, 709, 1206.3 of Specification for rural Roads including curing complete.	Nos	800.00	190.00	Rupees One Hundred Ninety Only	152000.00
		TOTAL				10935779.00

Signature of Contractor

CONSTRUCTION OF MRL-10-BULANPUR TO AMLASULI AT BLOCK- GARBETA-II IN THE DISTRICT OF PASCHIM MEDINIPUR

Sl No.	Description of Item	Unit	As per SOR	Maintenance for 1st Year		Maintenance for 2nd Year		Maintenance for 3rd Year		Maintenance for 4th Year		Maintenance for 5th Year		Total
			Rate	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	
1	<u>Page No. - 50, Item No. - 15.1 (As per SOR of WBSRDA)</u> Restoration of Rain Cuts 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 of embankment as per drawings and technical specifications Clause 1902 of Specification for Rural Roads (1st Revision).	Cum.	300.00	487.5	1,46,250.00	731.4	2,19,420.00	1462.5	4,38,750.00	3412.5	10,23,750.00	5704.02	17,11,206.00	35,39,376.00
2	<u>Page No. - 50, Item No. - 15.2.(1) (As per SOR of WBSRDA)</u> Maintenance of Earthen Shoulders (Filling with selected soil): Making up loss of material/irregularities on shoulders to the design level by adding fresh approved selected soil and compacting it with appropriate equipment at required OMC upto a lead of 1000.0 m as per technical specification Clause 1903 of Specification for Rural Roads (1st Revision).	Sqm	42.00	3250	1,36,500.00	4876	2,04,792.00	14626	6,14,292.00	31283	13,13,886.00	43876.8	18,42,825.60	41,12,295.60
3	<u>Page No. - 50, Item No. - 15.2.(2) (As per SOR of WBSRDA)</u> Maintenance of Earthen shoulder (Stripping of excess soil): Stirring excess soil from the shoulder surface to achieve the approved level and compacting with plate compactor at required OMC as per drawing and technical specification Clause 1903 of Specification for Rural Roads (1st Revision).	Sqm	18.00	3250	58,500.00	4876	87,768.00	14626	2,63,268.00	36970.5	6,65,469.00	87750	15,79,500.00	26,54,505.00
4	<u>Page No. - 50, Item No. - 15.3 (As per SOR of WBSRDA)</u> (i) Repair to pot holes by removal of failed material, trimming the sides to vertical and levelling the bottom, cleaning the same with compressed air or any appropriate method filled with 75mm (av) BM using 19mm nominal size coarse aggregate and 3.50% Bitumen (VG-30) applying bitumen emulsion prime coat at the bottom and bitumen emulsion tack coat on sides and on bottom @ 9 Kg/10Sqm as per technical specifications Clause 1904 of Specification for Rural Roads (1st Revision). (ii) Patch repair on already mended pot holes with 20 mm premix carpet followed by seal coat (type - B) as per drawings and technical specification Clause 1904.2 of Specification for Rural Roads (1st Revision), MoRD and as per diction of E.I.C Patch repair on already mended pot holes with 20 mm premix carpet followed by seal coat (type - B) as per drawings and technical specification Clause 1904.2 of Specification for Rural Roads (1st Revision), MoRD and as per diction of E.I.C	Cum.	8404.93	0	-	0	-	147.09	12,36,314.77	180.844	15,19,981.16	248.625	20,89,675.72	48,45,971.66
5	<u>Page No. - 51, Item No. - 15.6 (As per SOR of WBSRDA)</u> Maintenance of Drains The maintenance of drains include erosion, repair, clearing, reshaping, regrading, deepening of side drains as well as catch water drains as per technical specification Clause 1908 of Specification for Rural Roads (1st Revision).	Mtr	3.00	0	-	0	-	812	2,436.00	1218	3,654.00	1299	3,897.00	9,987.00
6	<u>Page No. - 51, Item No. - 15.7 (As per SOR of WBSRDA)</u> I) Maintenance of Culvert Maintenance of Hume pipe Culvert by way of Clearing, Cleaning, Erosion repair, repairs to cracks, parapet wall and protection work as per drawing and technical specification Clause 1909 of Specification for Rural Roads (1st Revision) including cost of cement, sand, brick, boulders etc.	Each HP Culvert	893.00	0	-	3	2,679.00	3	2,679.00	6	5,358.00	6	5,358.00	16,074.00

CONSTRUCTION OF MRL-10-BULANPUR TO AMLASULI AT BLOCK- GARBETA-II IN THE DISTRICT OF PASCHIM MEDINIPUR

Sl No.	Description of Item	Unit	As per SOR	Maintenance for 1st Year		Maintenance for 2nd Year		Maintenance for 3rd Year		Maintenance for 4th Year		Maintenance for 5th Year		Total
			Rate	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	
7	<u>Page No. - 51, Item No. - 15.7 (As per SOR of WBSRDA)</u> <i>II) Maintenance of Culvert Slab type</i> <i>Maintenance of slab type culvert by way of clearing, cleaning, erosion,repairs to cracks, parapet walls and protection works. Removal of debris, providing boulders and protection work and painting as per technical specification Clause 1909 of Specification for Rural Roads (1st Revision) including cost of all materials viz. cement, sand, bricks, boulders etc. as required and as per direction complete.</i>	Each HP Culvert	1730.00	0	-	3	5,190.00	3	5,190.00	6	10,380.00	6	10,380.00	31,140.00
8	<u>Page No. - 51, Item No. - 15.9 (As per SOR of WBSRDA)</u> <u>Maintenance of Road Signs</u> <i>Maintenance of road signs by way of cleaning and repainting of mandatory / regulatory / cautionary / informatory and place identifications sign board as per drawings and direction of Engineering - in- Charge and following Clause 1911 of Specification for Rural Roads (1st Revision).</i>	per km	1407.00	58.8	82,731.60	117.6	1,65,463.20	147	2,06,829.00	147	2,06,829.00	235.2	3,30,926.40	9,92,779.20
9	<u>Page No. - 52, Item No. - 15.11 (As per SOR of WBSRDA)</u> <u>Page No. - 52, Item No. - 15.13 (As per SOR of WBSRDA)</u> <i>Maintenance of 200 metre stone and km stone by way of refixing of tilted stones, repairing with cement mortar, cleaning, repairing and lettering on 200 metre stone, km stone and 5th km stone as per drawing and Clause 1913 of Specification for Rural Roads (1st Revision).</i>	per km	737.00	0	-	0	-	23.52	17,334.24	0	-	47.04	34,668.48	52,002.72
10	<u>Page No. - 52, Item No. - 15.13 (As per SOR of WBSRDA)</u> <u>White washing of parapet walls of CD work and tree trunks</u> <i>White washing two coats on parapet walls and tree trunks including preparation of surface by cleaning, scraping etc. as per technical specifications Clause 1916 of Specification for Rural Roads (1st Revision).</i>	Sqm	20.00	147.7	2,954.00	369.25	7,385.00	738.5	14,770.00	886.2	17,724.00	1181.6	23,632.00	66,465.00
11	<u>Page No. - 52, Item No. - 15.12 (As per SOR of WBSRDA)</u> <u>Cutting of branches of trees shrubs and trimming of grass and weeds</u> <i>Cutting of branches of trees and shrubs from the road way or with in R.O.W including disposal of wood and leaves to suitable location as per technical specification Clause 1915 of Specification for Rural Roads (1st Revision).</i>	each tree	106.00	487.41	51,665.46	891.96	94,547.76	1218.5	1,29,164.18	1462.23	1,54,996.38	1623.08	1,72,046.48	6,02,420.26
TOTAL					4,78,601.00		7,87,245.00		33,74,127.00		54,35,987.00		87,26,193.00	1,88,02,153.00