

# **OFFICE OF THE** **BURDWAN MUNICIPALITY**

## **DETAILED NOTICE INVITING TENDER** **No- 5 of 2021-2022**

**Memo No- 191/i/E.D.**

**Date- 23/09/2021**

On behalf of Board of Administrators, Burdwan Municipality, The Chairperson, Burdwan Municipality invite sealed two cover tenders for the following works from the eligible tenders as papers particulars given below and will be received by the executive officer on behalf of Administrator Burdwan Municipality.

- 2) The tender documents & others relevant particulars (if any) may be seen by the intending tenders during office hours in the Engineering Deptt. Burdwan Municipality from 11.30 a.m.
- 3) Applicants intending to purchase tender papers are requested to produce Valid PAN No., Up to Date Trade License, Professional Tax, Income Tax return Certificate, G.S.T. Registration Certificate and a prayer for

1.	Name of the work	:	As per annexure.
a)			
b)	Contractor eligible to submit tender	:	Bonafide & Resourceful agency.
c)	Estimated value of work put to tender	:	As per Annexure.
d)	Earnest Money	:	As per Annexure
e)	Tender is to be submitted	:	In sealed two cover system. (i) Technical (ii) Financial
f)	Price per copy of the agreement & tender form	:	The lowest bidder has to make an agreement (3 copies) by depositing requisite cost of agreement / tender paper as specified in Annexure.
g)	Date of Publication	:	24/09/2021
h)	Last Date & time for dropping of tender documents	:	05/10/2021 upto 04.00 p.m.
i)	Date & time for opening the tender	:	05/10/2021 4.30 p.m.
j)	Mode of issue of tender paper	:	Agreement / Tender paper will be issued by The Chairperson, Burdwan Municipality to the lowest bidder on receiving Application.
k)	Location of Godown from which Deptt.. materials (if any) May be issued	:	Municipality Store, N.D. Kayem Lane, Burdwan (Will be issued exclusively on recommendation of the Engineer-in- Charge.)

purchase of tender documents addressed to The Chairperson, Burdwan Municipality.

- 4) The rate quoted should be inclusive of all cost of transportation, loading, unloading, staking at site within any municipal area of the State of West Bengal, and all applicable taxes what so ever.
- 5) Deduction viz (i) IT or any other taxes, & Cess due as per rules, will also be deducted from the bill of the agency.
- 6) No Mobilization Advance and Secured Advance will be allowed.
- 7) There shall be no provision of Arbitration. Hence clause 25 of 2911 (ii) is omitted vide notification no. 558/SPW dated. 3.12.2011 of Principal Secretary, P.W. & P.W. (Roads) Department.
- 8) The Bidder, at the Bidder's own responsibility and risk is encouraged to visit and examine the site of works and its surroundings and obtain all information that may be necessary for preparing the Bid and entering into a contract for the work as mentioned in the Notice inviting Tender, the cost of visiting the site shall be at the Bidder's own expense. Traffic management and execution shall be the responsibility of the Agency at his/her/their risk and cost.
- 9) No CONDITIONAL/ INCOMPLETE TENDER will be accepted under any circumstances.
- 10) The provisions of the Prohibition of Employment as Manual Scavengers and their Rehabilitation Act 2013 should be



strictly complied by the Bidder.

- 11) The undersigned reserves the right to reject the lowest tender or all the tender without assigning any reason thereof and not bound to accept the lowest tender also.

**Enclo:- ANNEXURE**

*Pramab Chatterjee*

**Chairperson**

**Board Of Administrators**

**Burdwan Municipality**

**CHAIRPERSON**  
**Board of Administrators**  
**Burdwan Municipality**

**Memo No- 191/1(12)/ i /E.D.**

**Date- 23 /09/2021**

**Copy forwarded for information:-**

- 1) The Executive Engineer, MED, Burdwan Division, Burdwan
- 2) The Executive Officer, Burdwan Municipality
- 3) Finance Officer, Burdwan Municipality
- 4) Sunil Baran Ghar, A.E., Burdwan Municipality.
- 5) Soumitra Roy, SAE of Burdwan Municipality
- 6) Tender/Purchase Committee ,Burdwan Municipality
- 7) CA to District Magistrate for kind appraisal to the authority
- 8) CA to S.D.O. for kind appraisal to the authority
- 9) Office Notice Board ,Burdwan Municipality
- 10) Website of Burdwan Municipality
- 11) Relevant file,PW Department ,Burdwan Municipality
- 12) Newspapers

*Pramab Chatterjee*


**Chairperson**

**Board Of Administrators**

**Burdwan Municipality**

**CHAIRPERSON**  
**Board of Administrators**  
**Burdwan Municipality**

Sl. No.	Description of Items	Ward No.	Sanction Amount (Rs)	Estimated Amount Put to Tender (Rs)	Earnest Money (Rs)	Completion Period	Scheme	Cost of Tender
1.	Repairing & Improvement of Bituminous Road at Natunpally Municipal Pump House to Arabinda Pally Sishu Uddyan in Ward No.- 8 under Burdwan Municipality.	8	2,93,093.00	2,84,638.47	5,693	7 days	15 <sup>Th</sup> F.C (T)	750+50=800
2.	Repairing & Improvement of Bituminous Road at Aravindapally Sitala Mandir gali & partly improvement of Rabindrapally main road in Ward No.- 8 under Burdwan Municipality.	8	2,89,837.00	2,81,476.31	5,630	7 days	15 <sup>Th</sup> F.C (T)	750+50=800
3.	Construction of C.C. Road & Repairing of Drain from Chawrangee to Alaka Pharmacy and drain in front of New Deep Enterprise opposite of Dharamraj hotel in Ward No.- 14 under Burdwan Municipality.	14	3,52,722.00	3,42,547.80	6,851	7 days	15 <sup>Th</sup> F.C (T)	750+50=800
4.	Repairing of Itbhata Road from Children's Park Nabin Sangha to Rakamari Store in Ward No.- 14 under Burdwan Municipality.	14	4,99,292.00	4,84,890.00	9,698	7 days	15 <sup>Th</sup> F.C (T)	750+50=800
5.	Repairing & Improvement of Bituminous Road at Telipukur from Sukanta Smriti Sangha to Mallick Pukur Par in Ward No.- 17 within Burdwan Municipality.	17	4,60,162.00	4,46,888.56	8,938	7 days	15 <sup>Th</sup> F.C (T)	750+50=800
6.	Improvement of Kantcha road at Goda Kamal Nagar from house of Md Salman sk. To syed Dayem in ward no 26 within Burdwan Municipality	26	3,26,108.00	3,16,701.28	6,334	7 days	15 <sup>Th</sup> F.C (T)	750+50=800
7.	Repairing of Bituminous Road at Goda from Health Centre to By-pass more near Primary School in Ward No.- 26 within Burdwan Municipality.	26	4,33,718.00	4,21,206.96	8,424	7 days	15 <sup>Th</sup> F.C (T)	750+50=800
8.	Repairing of Bituminous Road at Dubrajdigghi from Masjid (North side) to Ghoshpara in Ward No.- 5 under Burdwan Municipality.	5	4,77,493.00	4,63,719.49	9,274	7 days	15 <sup>Th</sup> F.C (T)	750+50=800
9.	Estimate for podium for erection of sculpture of Pirtala Waddedar at B.L. Hati Road in Ward No.- 34 under Burdwan Municipality	34	2,32,003.00	2,25,310.26	4,506	7 days	15 <sup>Th</sup> F.C (T)	750+50=800

  
 Chairperson  
 Board Of Administrator  
 Burdwan Municipality  
 CHAIRPERSON  
 Board of Administrators  
 Burdwan Municipality



# Estimate for Repeating & Improvement of Bituminous Road at Natunpally Municipal Pump House to Arobinda pally Sishu Uddyan in Ward No-08 within Burdwan Municipality

Estimate as per PWD Roads (WB) Schedule of rates w.e.f. 1.11.2017 and current corrigenda

SL NO	DESCRIPTION OF ITEMS	No	Length	Bredth	Height	Quantity	Unit	Rate	AMOUNT
1. P-248, It-5.02	Providing and applying tack coat with Cationic Bitumen Emulsion of approved grade conforming to IS: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 fuel and lubricants all complete as per Clause 503 of Specifications for Road & Bridge Works of MoRT&H (5th Revision).								
	i) On Bituminous Surface (Using Bitumen emulsion at the rate of 0.2 to 0.30 kg per sqm.)								
	(Bituminous Surface - Granular surfaces)					641.25	Sqm		
						530.25	Sqm		
						1171.50	Sqm	9.33	10930.10
2 P-252, It-5.04/B	Providing and laying bituminous macadam with Mobile Hot Mix Plant (Light Duty) using approved crushed aggregates of specified grading as per Table 500.7 premixed with bituminous binder, transported to site laid over a previously prepared surface at specified laying temperature by means of approved and suitable arrangements to the required grade, level and alignment and rolled with suitable power roller for break down, inter-mediate and finished rolling as per specification to achieve the desired compaction including cost and carriage of stone materials and bitumen, hire charges of machinery and equipment, cost of fuel and lubricants and wages of operational staff, quality control complete as per Specifications for Road & Bridge Works of MoRT&H (5th Revision).B. For Grading 2 ( 19mm nominal size , 50 - 75 mm thick)								
		1	30	3.2	0.05	4.800			
		1	30	2.875	0.05	4.313			
		1	30	2.675	0.05	4.013			
		1	30	2.85	0.05	4.275			
		1	30	3.0	0.05	4.500			
		1	30	3.075	0.05	4.613			
						26.513	Cum	5566.2	147572.82
3. P-253, It-5.11 (a)	Providing, laying and rolling of Open - graded premix surfacing of 20 mm thickness composed of 13.2 mm (@0.018 m <sup>3</sup> per m <sup>2</sup> ) and 11.2 mm (@ 0.009 m <sup>3</sup> per m <sup>2</sup> ) size stone aggregates, including thoroughly cleaning of the surface, screening, cleaning and pre-heating stone chips and fully pre-coating the same either using viscosity grade paving bitumen or cut-back or emulsion, carrying the mixture by tipper trucks or by any other suitable arrangements, laying the mixture uniformly over the surface with paver finisher, including manual operations as and when required for proper line, grade and level to serve as wearing course on a previously prepared base, including mixing in Hot Mix Plant and thoroughly rolling with a smooth wheeled roller 8-10 tonne capacity, finished to required level and grades including the cost and carriage of stone chips and matrix, heating the matrix, preheating the aggregates to required temperature and including the hire charges of Hot Mix Plant and other machinery, pay of operators, cost of fuel and lubricants etc. complete as per Clause 510 of Specifications for Road & Bridge Works of Morth (5th revision),(a) Using Mobile HMP (Light Duty)								
		1	30	3.2		96.00	Sqm		
		1	30	2.875		86.25	Sqm		
		1	30	2.675		80.25	Sqm		
		1	30	2.85		85.50	Sqm		
		1	30	3.7		111.00	Sqm		
		1	30	3.0		90.00	Sqm		
		1	30	3.075		92.25	Sqm		
						641.25	Sqm	106.32	68177.70
4. P-255 It-5.13(b)	Providing & laying Premixed Seal Coat (Type B) with approved quality sand/grit @ 0.006 m <sup>3</sup> / 100 m <sup>2</sup> and hot bitumen binder on thoroughly cleaned black top surface coated with tack coat, including heating and mixing cleaned sand/grit (100% passing through 2.36mm sieve and retained on 180u sieve) uniformly with hot binder (@ 113.5 kg. per m <sup>3</sup> of grit or sand in suitable pan / Mobile Hot Mix Plant (Light duty), laying and spreading the mix at an uniform rate using suitable means, brushing the surface, if necessary, to ensure uniformity, followed by rolling with power roller including the cost and carriage of binder and aggregates, cost of heating the binder and aggregates and all other incidental charges, cost of fuel and lubricants, including hire charges of machineries, tools & plants required for construction and quality control complete excluding cost of applying Tack Coat.								
						641.25	SQM	38.9	24944.63
Sub Total=									Rs. 2,51,625.24
Add GST @ 12% =									Rs. 30,195.03
Total excluding Labour Welfare Cess =									Rs. 2,81,820.27
Add Labour Welfare Cess @ 1% =									Rs. 2,818.20
Total including Labour Welfare Cess =									Rs. 2,84,638.47
Add Contingency @ 3% =									Rs. 8,454.61
Total =									Rs. 2,93,093.08
Say =									Rs. 2,93,093.00

Channabooty  
01/09/2021  
Burdwan Municipality

11/9/2021  
MUNICIPAL ENGINEER  
(ASSISTANT ENGINEER)  
BURDWAN MUNICIPALITY

CHAIRPERSON  
Board of Administrators  
Burdwan Municipality



**Estimate for Repairing & Improvement of Bituminous Road at Arabindopally Sitala mandir gali and partly improvement of rabindrapally main road in Ward No-08 within Burdwan Municipality**

Estimate as per PWD Roads (WB) Schedule of rates w.e.f. 1.11.2017 and current corrigenda

SL NO	DESCRIPTION OF ITEMS	No	Length	Bredth	Height	Quantity	Unit	Rate	AMOUNT
1. Page- 237 It. No. 3.16.a	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 sub-grade 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. Upto 150 mm depth								
		1	30	0.55		16.5	sqm		
		1	30	0.55		16.5	sqm		
		1	30	0.55		16.5	sqm		
		1	30	0.55		16.5	sqm		
		1	30	0.55		16.5	sqm		
						82.5	sqm	14.4	1188.00
2. Item No. 4.10 (i), Page- 244	Water Bound Macadam Sub Base: Water Bound Macadam Sub Base by consolidating Jhama metal / Laterite chelly or stone metal / shingles of specific size in hard crust to requisite thickness (measured after compaction) in layers including screening of metals etc. as necessary, hand packing, sweeping, watering and rolling in stages with power roller to proper line, grade and camber, lighting, guarding & barricading and making necessary earthen bundh of one metre width on each side where necessary to protect edges and preparing the bed by necessary cutting or filling and rolling all complete including the cost of all materials and hire and labour charges of all men and machineries and compacting to the required density, as per Clause 404 of Specifications for Road & Bridge Works of MoRT&H (5th Revision). (i) For Construction of Sub Base by consolidating Jhama metal (63 mm to 45 mm) with moorum screening :								
		1	30	0.55	0.075	1.24	sqm		
		1	30	0.55	0.075	1.24	sqm		
		1	30	0.55	0.075	1.24	sqm		
		1	30	0.55	0.075	1.24	sqm		
		1	30	0.55	0.075	1.24	sqm		
						6.19	sqm	1922.49	11895.41
3. P-245 IT-4.11	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening / binding materials to fill up the interstices of coarse aggregate, watering including lighting, guarding, barricading and making necessary earthen bundh of one metre width on each side and preparing the bed by necessary cutting or filling, including cost of all materials and hire and labour charges of all men and machinery and compacting to the required density, as per Clause 404 of Specifications for Road & Bridge Works of MoRT&H (5th Revision) (iii) Grading II Aggregate (53 mm to 22.4 mm) Using Stone Screening Type B (11.2mm)								
		1	30	0.55	0.075	1.24	cum		
		1	30	0.55	0.075	1.24	cum		
		1	30	0.55	0.075	1.24	cum		
		1	30	0.55	0.075	1.24	cum		
		1	30	0.55	0.075	1.24	cum		
						6.19	Cum.	2183.6	13511.03
4. P-247, It- 5.01	Providing and applying primer coat with Cationic Bitumen Emulsion of approved grade conforming to IS: 8887-1978 and requisite quantity on prepared surface of granular base including cleaning of road surface and spraying primer using Mechanical means including cost and carriage of bitumen emulsion and all other incidental costs of work complete as per Clause 502 of Specifications for Road & Bridge Works of MoRT&H (5th Revision) i) For WBM/WMM Surface: ( With primer @0.70-1.0 kg/sqm)								
		1	30	0.55		16.5			
		1	30	0.55		16.5			
		1	30	0.55		16.5			
		1	30	0.55		16.5			
		1	30	0.55		16.5			
						82.50	Sqm	32.73	2700.23
5. P-248, It- 5.02	Providing and applying tack coat with Cationic Bitumen Emulsion of approved grade conforming to IS: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 fuel and lubricants all complete as per Clause 503 of Specifications for Road & Bridge Works of MoRT&H (5th Revision). i) On Bituminous Surface (Using Bitumen emulsion at the rate of 0.2 to 0.30 kg per sqm.) (Bituminous Surface - Granular surfaces)								
						409.15	Sqm		
						491.65	Sqm		
						900.80	Sqm	9.33	8404.46
6. P-248, It- 5.02	Providing and applying tack coat with Cationic Bitumen Emulsion of approved grade conforming to IS: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 fuel and lubricants all complete as per Clause 503 of Specifications for Road & Bridge Works of MoRT&H (5th Revision). ii) On Granular surfaces treated with primer (Using Bitumen emulsion at the rate of 0.25 to 0.30 kg per sqm.)								
						82.50	Sqm	10.29	848.93



7 P-252, It- 5.04/B	Providing and laying bituminous macadam with Mobile Hot Mix Plant (Light Duty) using approved crushed aggregates of specified grading as per Table 500.7 premixed with bituminous binder, transported to site laid over a previously prepared surface at specified laying temperature by means of approved and suitable arrangements to the required grade, level and alignment and rolled with suitable power roller for break down, inter-mediate and finished rolling as per specification to achieve the desired compaction including cost and carriage of stone materials and bitumen, hire charges of machinery and equipment, cost of fuel and lubricants and wages of operational staff, quality control complete as per Specifications for Road & Bridge Works of MoRT&H (5th Revision).B. For Grading 2 ( 19mm nominal size , 50 - 75 mm thick)							
		1	30	3.3	0.05	4.950		
		1	30	2.68	0.05	4.020		
		1	30	2.6	0.05	3.900		
		1	30	3.1	0.05	4.650		
		1	30	2.75	0.05	4.125		
	Main road repair	1	25	2.35	0.05	2.938	Sqm	
						24.583	Cum	5566.16
								136830.13
8. P-253, It- 5.11 (a)	Providing, laying and rolling of Open - graded premix surfacing of 20 mm thickness composed of 13.2 mm (@0.018 m <sup>3</sup> per m <sup>2</sup> ) and 11.2 mm (@ 0.009 m <sup>3</sup> per m <sup>2</sup> ) size stone aggregates, including thoroughly cleaning of the surface, screening, cleaning and pre-heating stone chips and fully pre-coating the same either using viscosity grade paving bitumen or cut-back or emulsion, carrying the mixture by tipper trucks or by any other suitable arrangements, laying the mixture uniformly over the surface with paver finisher, including manual operations as and when required for proper line, grade and level to serve as wearing course on a previously prepared base, including mixing in Hot Mix Plant and thoroughly rolling with a smooth wheeled roller 8-10 tonne capacity, finished to required level and grades including the cost and carriage of stone chips and matrix, heating the matrix, preheating the aggregates to required temperature and including the hire charges of Hot Mix Plant and other machinery, pay of operators, cost of fuel and lubricants etc. complete as per Clause 510 of Specifications for Road & Bridge Works of MoRT&H (5th revision),(a) Using Mobile HMP (Light Duty)							
		1	30	3.3		99	Sqm	
		1	30	2.68		80.4	Sqm	
		1	30	2.6		78	Sqm	
		1	30	3.1		93	Sqm	
		1	30	2.75		82.5	Sqm	
	Main road repair	1	25	2.35		58.75	Sqm	
						491.65	Sqm	106.32
								52272.23
9. P-255 It- 5.13(b)	Providing & laying Premixed Seal Coat (Type B) with approved quality sand/grit @ 0.006 m <sup>3</sup> / 100 m <sup>2</sup> and hot bitumen binder on thoroughly cleaned black top surface coated with tack coat, including heating and mixing cleaned sand/grit (100% passing through 2.36mm sieve and retained on 180u sieve) uniformly with hot binder (@ 113.5 kg. per m <sup>3</sup> of grit or sand in suitable pan / Mobile Hot Mix Plant (Light duty), laying and spreading the mix at an uniform rate using suitable means, brushing the surface, if necessary, to ensure uniformity, followed by rolling with power roller including the cost and carriage of binder and aggregates, cost of heating the binder and aggregates and all other incidental charges, cost of fuel and lubricants, including hire charges of machineries, tools & plants required for construction and quality control complete excluding cost of applying Tack Coat.							
						491.65	SQM	38.9
								19125.19
10. P-12, It- 13, (PWD Bldg. Sch.)	Removal of rubbish,earth etc. from the working site and disposal of the same beyond the compound, in conformity with the Municipal / Corporation Rules for such disposal, loading into truck and cleaning the site in all respect as per direction of Engineer in charge							
	Box cutting area: 82.50 sqm.		82.50	0.150		12.38	cum	
						12.38	cum	166.00
								2054.25
Sub Total=								Rs. 2,48,829.84
Add GST @ 12% =								Rs. 29,859.58
Total excluding Labour Welfare Cess =								Rs. 2,78,689.42
Add Labour Welfare Cess @ 1% =								Rs. 2,786.89
Total including Labour Welfare Cess =								Rs. 2,81,476.31
Add Contingency @ 3% =								Rs. 8,360.68
Total =								Rs. 2,89,836.99
Say =								Rs. 2,89,837.00

Chauraboty  
20/09/2021  
SAE  
Burdwan Municipality

20/9/2021  
MUNICIPAL ENGINEER  
(ASSISTANT ENGINEER)  
BURDWAN MUNICIPALITY

Chairman  
CHAIRPERSON  
Board of Administrators  
Burdwan Municipality



SL NO: 3

Length of the Road = 50m. Avg. width = 4.975m

Estimate prepared following PWD Schedule of rates for Building Works with effect from 1st. Nov, 2017

Sl.No	Description- of Items	No.	L-(m)	B1-(m)	B2-(m)	Bavg-(m)	H-(m)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
1 P-1 It-2	Earthwork in Excavation of foundation trenches...(a) Depth of excavation not exceeding 1.50 mt.	1	50.000	5.000	4.950	4.975	0.250	62.188			
		1	5.000	1.200	1.200	1.200	1.150	6.900			
								69.088	CUM	Rs. 119.27	8,240.07
2. P-2, It-4(B)	Filling in foundation of plinth by fine sand in layers not exceeding 150mm as directed and consolidating same by thorough saturation with water running complete including the cost of supply of sand.	1	50.000	5.000	4.950	4.975	0.100	24.875			
		1	5.000	1.200	1.200	1.200	0.150	0.900			
								25.775	CUM	Rs. 543.51	14,008.97
3. P-47, It-3	Supplying and laying Polythene Sheet (150 gm / sq.m) over damp proof course or bellow flooring or roof terracing or in foundation or in foundation trenches.	1	50.000	5.000	4.950	4.975		248.750			
		1	5.000	1.200	1.200	1.200		6.000			
								254.750	SQM.	Rs. 24.00	6,114.00
5. P-42 It-36	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor)	2	50.000				0.150	15.000			
		2	5.000				1.650	16.500			
		2	5.000	1.200	1.200	1.200		12.000			
		1	12.400				0.150	1.860			
								45.360	SQM.	Rs. 205.00	9,298.80
6. P-24, It-4	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement, if any, in ground floor as per relevant IS codes. a) Pakur Variety	1	50.000	5.000	4.950	4.975	0.150	37.313			
		1	5.000	1.200	1.200	1.200	0.150	0.900			
								38.213	CUM	Rs. 4,607.58	1,76,067.15
7 P-15 It-7(A)	Brick work with 1st class bricks in cement mortar (1:6) (a) In foundation and plinth	2	7.50	0.25	0.25	0.25	0.300	1.125			
		1	7.00	0.25	0.25	0.25	4.500	7.875			
								9.000	CUM	Rs. 5,081.00	45,729.00
8. P-189 It-1(ii)b	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor). [Excluding cost of chipping over concrete surface] In ground floor. (ii) With 1:4 cement mortar (B) 15 mm thick plaster	1	7.50				1.300	9.750			
		1	7.00				4.500	31.500			
		1	5.00				2.400	12.000			
								53.250	SQM.	Rs. 152.00	8,094.00
9. P-192 It-15	Neat cement punning about 1.5 mm. thick in wall, dado, window, sills, floor, drain etc. NOTE: Cement 0.152 cu.m. per 100 sq.m.							53.250	SQM.	Rs. 34.00	1,810.50
10. P-26 It-10	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes. (i) Pakur Variety In ground floor										
	(INFRONT OF DINABANDHU SEBASHRAM) For slab -	1	7.500	0.700	0.700	0.700	0.125	0.656			
	New Deep Enterprise opposite of Dharmaraj Hotel	1	5.000	1.200	1.200	1.200	0.150	0.900			
		2	5.000	0.150	0.150	0.150	0.750	1.125			
		1	5.000	1.200	1.200	1.200	0.150	0.900			
								3.581	CUM	Rs. 5,124.57	18,411.62







NIT-5/21-22

SL NO: 5

# Estimate for Repeating & Improvement of Bituminous Road at Telipukur from Sukanta smrity Sangha to mallick pukurpar in Ward No-17 Within Burdwan Municipality

Estimate as per PWD Roads (WB) Schedule of rates w.e.f. 14.10.2020(upto 9th Corr.) .

SL NO	DESCRIPTION OF ITEMS	NO	L	B1	B2	AVG	THICKNE SS	QUANTITY	UNIT	RATE	AMOUNT
1. P-245 IT-4.11	<b>Water Bound Macadam Base Course, Grading I (63 mm to 45 mm)</b>										
	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening / binding materials to fill up the interstices of coarse aggregate, watering including lighting, guarding, barricading and making necessary earthen bundh of one metre width on each side and preparing the bed by necessary cutting or filling, including cost of all materials and hire and labour charges of all men and machinery and compacting to the required density, as per Clause 404 of Specifications for Road & Bridge Works of MoRT&H (5th Revision).										
	(i) Grading-I Aggregate (63 mm to 45 mm) Using Stone Screening Type B (11.2 mm) : Manual Means										
		3	30	4.6	4.4	4.5	0.075	30.375			
		2	30	3.5	3.2	3.35	0.075	15.075			
								45.450	CUM	2183.6	99244.62
2. P-247, It-5.01	Providing and applying primer coat with Cationic Bitumen Emulsion of approved grade conforming to IS: 8887-1978 and requisite quantity on prepared surface of granular base including cleaning of road surface and spraying primer using Mechanical means including cost and carriage of bitumen emulsion and all other incidental costs of work complete as per Clause 502 of Specifications for Road & Bridge Works of MoRT&H (5th Revision)										
	i) For WBM/WMM Surface: ( With primer @0.70-1.0 kg/sqm)										
		3	30	4.6	4.4	4.5		405			
		2	30	3.5	3.2	3.35		201			
								606.00	SQM	32.73	19834.38
3. P-248, It-5.02	Providing and applying tack coat with Cationic Bitumen Emulsion of approved grade conforming to IS: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 fuel and lubricants all complete as per Clause 503 of Specifications for Road & Bridge Works of MoRT&H (5th Revision).ii) On Granular surfaces treated with primer (Using Bitumen emulsion at the rate of 0.25 to 0.30 kg per sqm.)										
		3	30	4.6	4.4	4.5		405			
		2	30	3.5	3.2	3.35		201			
		2	1.000	0.800	0.900	0.850		1.70			
		4	0.600	1.000	1.100	1.050		2.52			
		5	0.500	0.800	1.000	0.900		2.25			
		2	1.000	0.800	0.700	0.750		1.50			
								613.970	SQM	10.29	6317.75







NIT-5/21-22

SL NO: 4

Burdwan Road

**Estimate for Repairing of Itbhata Road from Children's Park Nabin Sangha to Rakamari Store in Ward No-14 under Burdwan Municipality.**

Estimate as per PWD Roads (WB) Schedule of rates w.e.f. 30.08.2018 (upto 5th Corr.).

SL NO	DESCRIPTION OF ITEMS	NO	L	B1	B2	AVG	H	QUANTITY	UNIT	RATE	AMOUNT
1. Page-237 It. No. 3.16.a	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 sub-grade 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. Upto 150 mm depth	1	30.000	1.600	1.400	1.500		45.000			
		1	30.000	1.400	1.000	1.200		36.000			
		1	60.000	1.000	1.000	1.000		60.000			
		1	45.000	1.000	1.200	1.100		49.500			
								190.500	Sq M	₹ 14.40	2,743.20
2. Page-247 It. No. 4.101	Water Bound Macadam Sub Base by consolidating Jhama metal / Laterite chelly or stone metal / shingles of specific size in hard crust to requisite thickness (measured after compaction) in layers including screening of metals etc. as necessary, hand packing, sweeping, watering and rolling in stages with power roller to proper line, grade and camber, lighting, guarding & barricading and making necessary earthen bundh of one metre width on each side where necessary to protect edges and preparing the bed by necessary cutting or filling and rolling all complete including the cost of all materials and hire and labour charges of all men and machineries and compacting to the required density, as per Clause 404 of Specifications for Road & Bridge Works of MoRT&H (5th Revision) (I) For Construction of Sub Base by consolidating Jhama metal (63 mm to 45 mm) with moorum screening :	1	60.000	1.000	1.000	1.000	0.075	4.500			
		1	45.000	1.000	1.200	1.100	0.075	3.713			
								8.213	Cu.M.	₹ 1,922.49	15,788.45
3. P 245 IT-4.11	Water Bound Macadam Sub Base Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening / binding materials to fill up the interstices of coarse aggregate, watering including lighting, guarding, barricading and making necessary earthen bundh of one metre width on each side and preparing the bed by necessary cutting or filling, including cost of all materials and hire and labour charges of all men and machinery and compacting to the required density, as per Clause 404 of Specifications for Road & Bridge Works of MoRT&H (5th Revision). (i) Grading-I Aggregate (63 mm to 45 mm) Using Stone Screening Type B (11.2 mm)	1	30.000	1.800	1.700	1.750	0.075	3.938			
		1	30.000	1.700	1.650	1.675	0.075	3.769			
		1	60.000	1.000	1.000	1.000	0.075	4.500			
		1	45.000	1.000	1.200	1.100	0.075	3.713			
								15.919	Cu.M.	₹ 2,183.60	34,760.18
4. P-251, It-5.01	Providing and applying primer coat with Cationic Bitumen Emulsion of approved grade conforming to IS: 8887-1978 and requisite quantity on prepared surface of granular base including cleaning of road surface and spraying primer using Mechanical means including cost and carriage of bitumen emulsion and all other incidental costs of work complete as per Clause 502 of Specifications for Road & Bridge Works of MoRT&H (5th Revision). <i>SS-1 Type (0.85 kg/sqm). Bitumen Emulsion</i> i) For WBM/WMM Surface: ( With primer @0.70-1.0 kg/sqm)	1	30.000	1.800	1.700	1.750		52.500			
		1	30.000	1.700	1.650	1.675		50.250			
		1	60.000	1.000	1.000	1.000		60.000			
		1	45.000	1.000	1.200	1.100		49.500			



SL NO	DESCRIPTION OF ITEMS	NO	L	B1	B2	AVG	H	QUANTITY	UNIT	RATE	AMOUNT
								212.250	Sq.M.	₹ 38.24	₹ 8,116.44
5. P-274, It-10.02 vol-III	Repairing Pot Holes with Premixed Chips										
	Repairing pot holes and making up small depressions with ramming or power rolling including screening, cleaning chips or metals and washing, drying as necessary and heating the chips or metal where necessary, cutting pot holes to regular shapes with vertical edges, cleaning the disintegrated materials, heating matrix and applying tack coat (including sides), finishing the top of repaired surface levelled with adjoining area, including cost and carriage of stone aggregates and matrix, including cost of applying tack coat [Tack coat is to be considered separately] i) With premixed Chips or Bajrees with 54kg of bitumen per m3 of loose net volume of stone chips using concrete mixer machine. (The payment is to be made on the basis of loose net volume of stone materials consumed in the work).										
		1	30.000	1.800	1.700	1.750	0.075	3.938			
		1	30.000	1.700	1.650	1.675	0.075	3.769			
		1	30.000	1.650	1.650	1.650	0.075	3.713			
		1	30.000	1.650	1.600	1.625	0.075	3.656			
		2	3.000	2.000	2.000	2.000	0.075	0.900			
		3	0.650	0.520	0.900	0.710	0.075	0.104			
		3	0.900	0.650	0.600	0.625	0.075	0.127			
		2	1.200	0.800	0.700	0.750	0.075	0.135			
		7	2.500	0.800	0.800	0.800	0.075	1.050			
								17.390	Cu.M.	₹ 4,383.20	₹ 76,225.60
6. P-251, It-5.02	<b>Tack Coat</b> Providing and applying tack coat with Cationic Bitumen Emulsion of approved grade conforming to IS: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 fuel and lubricants all complete as per Clause 503 of Specifications for Road & Bridge Works of MoRT&H (5th Revision) ii) On Granular surfaces treated with primer (Using Bitumen emulsion at the rate of 0.25 to 0.30 kg per sqm.)										
	WBM	1	30.000	1.800	1.700	1.750		52.500			
		1	30.000	1.700	1.650	1.675		50.250			
		1	60.000	1.000	1.000	1.000		60.000			
		1	45.000	1.000	1.200	1.100		49.500			
	Potholes	1	30.000	1.800	1.700	1.750		52.500			
		1	30.000	1.700	1.650	1.675		50.250			
		1	30.000	1.650	1.650	1.650		49.500			
		1	30.000	1.650	1.600	1.625		48.750			
		2	3.000	2.000	2.000	2.000		12.000			
		3	0.650	0.520	0.900	0.710		1.385			
		3	0.900	0.650	0.600	0.625		1.688			
		2	1.200	0.800	0.700	0.750		1.800			
		7	2.500	0.800	0.800	0.800		14.000			
								444.122	Sq.M.	₹ 10.29	₹ 4,570.02
7. P-251, It-5.02	<b>Tack Coat</b> Providing and applying tack coat with Cationic Bitumen Emulsion of approved grade conforming to IS: 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 fuel and lubricants all complete as per Clause 503 of Specifications for Road & Bridge Works of MoRT&H (5th Revision). (i) On Bituminous Surface (Using Bitumen Emulsion at the rate of 0.20 to 0.30 kg per sqm.)										
		1	30.000	2.900	1.600	2.250		67.500			
		1	30.000	1.600	0.900	1.250		37.500			
		1	30.000	0.900	1.800	1.350		40.500			



SL NO	DESCRIPTION OF ITEMS	NO	L	B1	B2	AVG	H	QUANTITY	UNIT	RATE	AMOUNT
		1	30.000	1.800	2.100	1.950		58.500			
		1	30.000	2.100	1.800	1.950		58.500			
		1	30.000	1.800	1.600	1.700		51.000			
		1	30.000	1.600	2.500	2.050		61.500			
		1	30.000	2.500	2.000	2.250		67.500			
		1	18.000	2.000	2.900	2.450		44.100			
		1	30.000	2.900	2.400	2.650		79.500			
		1	30.000	2.400	1.900	2.150		64.500			
		1	20.300	1.900	2.100	2.000		40.600			
		1	30.000	2.100	2.500	2.300		69.000			
		1	30.000	2.500	3.200	2.850		85.500			
								825.700	Sq.M.	₹ 9.33	7,703.78
7. P-253, It - 5.11 (a)	Providing, laying and rolling of Open - graded premix surfacing of 20 mm thickness composed of 13.2 mm (@0.018 m³ per m²) and 11.2 mm (@ 0.009 m³ per m²) size stone aggregates, including thoroughly cleaning of the surface, screening, cleaning and pre-heating stone chips and fully pre-coating the same either using viscosity grade paving bitumen or cut-back or emulsion, carrying the mixture by tipper trucks or by any other suitable arrangements, laying the mixture uniformly over the surface with paver finisher, including manual operations as and when required for proper line, grade and level to serve as wearing course on a previously prepared base, including mixing in Hot Mix Plant and thoroughly rolling with a smooth wheeled roller 8-10 tonne capacity, finished to required level and grades including the cost and carriage of stone chips and matrix, heating the matrix, preheating the aggregates to required temperature and including the hire charges of Hot Mix Plant and other machinery, pay of operators, cost of fuel and lubricants etc. complete as per Clause 510 of Specifications for Road & Bridge Works of Morth (5th revision) (a) Using Mobile HMP (Light Duty).										
		1	30.000	4.800	4.800	4.800		144.000			
		1	30.000	4.800	4.600	4.700		141.000			
		1	90.000	4.600	4.450	4.525		407.250			
		1	60.000	4.450	4.300	4.375		262.500			
		1	30.000	4.300	4.100	4.200		126.000			
		1	150.000	4.100	4.500	4.300		645.000			
		1	15.000	4.500	4.700	4.600		69.000			
								1794.750	SQM	₹ 106.32	1,90,817.82
8. P 255 It - 5.13(b)	Providing & laying Premixed Seal Coat (Type B) with approved quality sand/grit @ 0.006 m³/ 100 m² and hot bitumen binder on thoroughly cleaned black top surface coated with tack coat, including heating and mixing cleaned sand/grit (100% passing through 2.36mm sieve and retained on 180u sieve) uniformly with hot binder (@ 113.5 kg. per m³ of grit or sand in suitable pan / Mobile Hot Mix Plant (Light duty), laying and spreading the mix at an uniform rate using suitable means, brushing the surface, if necessary, to ensure uniformity, followed by rolling with power roller including the cost and carriage of binder and aggregates, cost of heating the binder and aggregates and all other incidental charges, cost of fuel and lubricants, including hire charges of machineries, tools & plants required for construction and quality control complete excluding cost of applying Tack Coat.										
								1794.750	SQM	₹ 38.90	69,815.78
9. P-10 I-2	Dismantling all types of plain cement concrete works, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m. In ground floor including roof. (a) upto 150 mm. thick										
		2	6.5	0.25	0.25	0.250	0.95	1.544	cum	₹ 939.00	1,449.58
10. P-15, It-7	Brick work with 1st class bricks in cement mortar (1:6) (a) In foundation and plinth										
		2	6.5	0.25	0.25	0.250	0.95	1.544	cum	₹ 4812.00	7,428.53







SL-NO.: 6

Estimate prepared following PWD Schedule of rates for Building & Roads Works with effect from 30.8.2018 5TH CORR.

279969.30  
33596.32  
313565.62  
3135.66  
316701.28  
9406.97  
326108.25  
3,26,108.00

say, 3,26,108.00



NIT-5/21-22

SL-NO. 2

# ESTIMATE FOR REPAIRING OF BITUMINOUS ROAD AT GODA FROM HEALTH CENTRE TO BY-PASS MORE NEAR PRIMARY SCHOOL IN WARD NO-26. WITHIN BURDWAN MUNICIPALITY

Estimate as per PWD Roads (WB) Schedule of rates w.e.f. 30.08.2018 (upto 5th Corr.)

It.No	Ref.	Description of Items	Quantity	Unit	Rate (Rs)	Amount (Rs.)
1.	p-240 IT-3.16	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 sub grade 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. Upto 150 mm depth				
		280mx0.700m=196Sqm	196.000	Sqm	14.40	2822.40
2.	p-247, IT-4.10	Water Bound Macadam Sub Base by consolidating Jhama metal / Laterite chelly or stone metal / shingles of specific size in hard crust to requisite thickness (measured after compaction) in layers including screening of metals etc. as necessary, hand packing, sweeping, watering and rolling in stages with power roller to proper line, grade and camber, lighting, guarding & barricading and making necessary earthen bundh of one metre width on each side where necessary to protect edges and preparing the bed by necessary cutting or filling and rolling all complete including the cost of all materials and hire and labour charges of all men and machineries and compacting to the required density, as per Clause 404 of Specifications for Road & Bridge Works of MoRT&H (5th Revision).				
		(i) For Construction of Sub Base by consolidating Jhama metal (63 mm to 45 mm) with moorum screening : (1x280mx0.700mx0.075m=14.70Cum)	14.70	cum	1922.49	28260.60
	Page-245 It-4.11	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with vibratory roller 8-10 tonnes in stages to proper grade and camber, applying, and brooming requisite type of screening / binding materials to fill up the interstices of coarse aggregate, watering including lighting, guarding, barricading and making necessary earthen bundh of one metre width on each side and preparing the bed by necessary cutting or filling, including cost of all materials and hire and labour charges of all men and machinery and compacting to the required density, as per Clause 404 of Specifications for Road & Bridge Works of MoRT&H (5th Revision).				
		(iii) Grading-10 Aggregate (63 mm to 2.5 mm) Using Stone Screening Type B (11.2mm) A. Mechanical means (1x280x0.700x0.075 + 180x3.3x0.075 = 59.25Cum)	59.250	cum	2177.20	128999.10
2	Page-247, It-5.01	Providing and applying primer coat with Cationic Bitumen Emulsion of approved grade conforming to IS: 8887-1978 and requisite quantity on prepared surface of granular base including cleaning of road surface and spraying primer using Mechanical means including cost and carriage of bitumen emulsion and all other incidental costs of work complete as per Clause 502 of Specifications for Road & Bridge Works of MoRT&H (5th Revision). <b>Cost of Bitumen Emulsion (MS) SS-1 Type (0.85 kg/sqm).</b>				
		i) For WBM/WMM Surface: ( With primer @0.70-1.0 kg/sqm)				
		(1x280mX0.7m + 180mx3.3m) = 790.00 Sqm	790.00	sqm	33.25	26267.50
3	Page-248, It-5.02	Providing and applying tack coat with Cationic Bitumen Emulsion of approved grade conforming to IS: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 fuel and lubricants all complete as per Clause 503 of Specifications for Road & Bridge Works of MoRT&H).				
		(ii) On Granular surfaces treated with primer (Using Bitumen emulsion at the rate of 0.25 to 0.30 kg per sqm.) (1x700x3.20=2240sqm)	790.00	sqm	10.29	8129.10
		Repairing Pot Holes with Premixed Chips			11.57	9140.30

2183.60

129378.30

32.73

25856.70



No	Ref.	Description of Items	Quantity	Unit	Rate (Rs)	Amount (Rs.)
4	Page-273, II - 10.08 (i.b)	Repairing pot holes and making up small depressions with ramming or power rolling including screening, cleaning chips or metals and washing, drying as necessary and heating the chips or metal where necessary, cutting pot holes to regular shapes with vertical edges, cleaning the disintegrated materials, heating matrix and applying tack coat (including sides), finishing the top of repaired surface levelled with adjoining area, including cost and carriage of stone aggregates and matrix, including cost of applying tack coat. [Tack coat is to be considered separately] i) With premixed Chips or Bajrees with 54kg of bitumen per m <sup>3</sup> of loose net volume of stone chips using concrete mixer machine. (The payment is to be made on the basis of loose net volume of stone materials consumed in the work)				
		(a) Using Mobile HMP (Light Duty)	8.80	cum	4424.03	38931.46
5	Page-253, II - 5.11 (a)	Providing, laying and rolling of Open - graded premix surfacing of 20 mm thickness composed of 13.2 mm (@0.018 m <sup>3</sup> per m <sup>2</sup> ) and 11.2 mm (@ 0.009 m <sup>3</sup> per m <sup>2</sup> ) size stone aggregates, including thoroughly cleaning of the surface, screening, cleaning and pre-heating stone chips and fully pre-coating the same either using viscosity grade paving bitumen or cut-back or emulsion, carrying the mixture by tipper trucks or by any other suitable arrangements, laying the mixture uniformly over the surface with paver finisher, including manual operations as and when required for proper line, grade and level to serve as wearing course on a previously prepared base, including mixing in Hot Mix Plant and thoroughly rolling with a smooth wheeled roller 8-10 tonne capacity, finished to required level and grades including the cost and carriage of stone chips and matrix, heating the matrix, preheating the aggregates to required temperature and including the hire charges of Hot Mix Plant and other machinery, pay of operators, cost of fuel and lubricants etc. complete as per Clause 510 of Specifications for Road & Bridge Works of Morth (5th revision)				
		(a) Using Mobile HMP (Light Duty)	957.00	sqm	111.30	106514.10
6	P-255 II - 5.13(b)	Providing & laying Premixed Seal Coat (Type B) with approved quality sand/grit @ 0.006 m <sup>3</sup> / 100 m <sup>2</sup> and hot bitumen binder on thoroughly cleaned black top surface coated with tack coat, including heating and mixing cleaned sand/grit (100% passing through 2.36mm sieve and retained on 180u sieve) uniformly with hot binder (@ 113.5 kg. per m <sup>3</sup> of grit or sand in suitable pan / Mobile Hot Mix Plant (Light duty), laying and spreading the mix at an uniform rate using suitable means, brushing the surface, if necessary, to ensure uniformity, followed by rolling with power roller including the cost and carriage of binder and aggregates, cost of heating the binder and aggregates and all other incidental charges, cost of fuel and lubricants, including hire charges of machineries, tools & plants required for construction and quality control complete excluding cost of applying Tack Coat.				
		(a) Using Manual Means with hot Bitumen binder (@6.80 kg / 10sqm)	957.00	sqm	41.22	39447.54
			TOTAL =			380383.01
			Add 12% G.S.T. =			45645.96
			Cost of Civil Works Excluding Labour Welfare Cess =			426028.97
			Labour Welfare Cess 1% =			4260.29
			Total =			430289.26
			Add Contingency @ 3% =			12908.68
			Total =			443197.94
			Say-			443198.00

106.32  
101748.24  
VETTED  
Executive Engineer  
Burdwan Division  
M.E. Dte.  
Govt. of W.B.  
38.90  
37227.30

Junior Engineer  
Burdwan Division  
M. E. Dte.  
U.D. & M.A. Dep.  
Govt. of W. B.

Assistant Engineer  
Burdwan Division  
M E Dte  
U.D. & M.A. Dep  
Govt. of W B

MUNICIPAL ENGINEER  
(ASSISTANT ENGINEER)  
BURDWAN MUNICIPALITY

CHAIRPERSON  
Board of Administrators  
Burdwan Municipality

In And Repose for Cost Duty Three thousand Seven Hundred and Eighteen only

31/9/21

31/9/2021

P Chatterjee  
31/9/21



ESTIMATE FOR REPAIRING OF BITUMINOUS ROAD AT DUBRAJDIGHI FROM MASJID ( NORTH SIDE) TO GHOSHPARA IN WARD NO-05. WITHIN BURDWAN MUNICIPALITY

Estimate as per PWD Roads (WB) Schedule of rates w.e.f. 30.08.2018 ,(upto 5th Corr.)

It.No	Ref.	Description of Items	Quantity	Unit	Rate (Rs)	Amount (Rs.)
1	Page-245 It-4.11	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening / binding materials to fill up the interstices of coarse aggregate, watering including lighting, guarding, barricading and making necessary earthen bundh of one metre width on each side and preparing the bed by necessary cutting or filling, including cost of all materials and hire and labour charges of all men and machinery and compacting to the required density, as per Clause 401 of Specifications for Road & Bridge Works of MoRT&H (5th Revision).				
		(iii) Grading-II Aggregate (53 mm to 22.4 mm) Using Stone Screening Type B (11.2mm) A Mechanical means <i>Manual Means.</i>	20.400	cum	<del>2214.22</del> 2177.20	<del>45170.09</del> 44414.88
2	Page-247, It-5.01	Providing and applying primer coat with Cationic Bitumen Emulsion of approved grade conforming to IS: 8887-1978 and requisite quantity on prepared surface of granular base including cleaning of road surface and spraying primer using Mechanical means including cost and carriage of bitumen emulsion and all other incidental costs of work complete as per Clause 502 of Specifications for Road & Bridge Works of MoRT&H (5th Revision).				
		i) For WBM/WMM Surface: ( With primer @0.70-1.0 kg/sqm) (1x85mX3.2m)=272.00 Sqm	272.00	sqm	<del>31.73</del> 33.25	<del>8902.56</del> 9044.00
3	Page-248, It-5.02	Providing and applying tack coat with Cationic Bitumen Emulsion of approved grade conforming to IS: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 fuel and lubricants all complete as per Clause 503 of Specifications for Road & Bridge Works of MoRT&H ).				
		(ii) On Granular surfaces treated with primer (Using Bitumen emulsion at the rate of 0.25 to 0.30 kg per sqm.) (1x700x3.20=2240sqm)	2240.00	sqm	<del>10.29</del> 11.57	<del>23049.60</del> 25916.80
4	Page-273, It- 10.08 (i.b)	Repairing Pot Holes with Premixed Chips Repairing pot holes and making up small depressions with ramming or power rolling including screening, cleaning chips or metals and washing, drying as necessary and heating the chips or metal where necessary, cutting pot holes to regular shapes with vertical edges, cleaning the disintegrated materials, heating matrix and applying tack coat (including sides), finishing the top of repaired surface levelled with adjoining area, including cost and carriage of stone aggregates and matrix, including cost of applying tack coat.[Tack coat is to be considered separately] i)With premixed Chips or Bajrees with 54kg of bitumen per m3 of loose net volume of stone chips using concrete mixer machine.(The payment is to be made on the basis of loose net volume of stone materials consumed in the work)				
		(a) Using Mobile HMP (Light Duty)	1.70	cum	4424.03	<del>7520.85</del> 7520.85



It.No	Ref.	Description of Items	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
5	Page-253, It-5.11 (a)	Providing, laying and rolling of Open - graded premix surfacing of 20 mm thickness composed of 13.2 mm (@0.018 m³ per m²) and 11.2 mm (@ 0.009 m³ per m²) size stone aggregates, including thoroughly cleaning of the surface, screening, cleaning and pre-heating stone chips and fully pre-coating the same either using viscosity grade paving bitumen or cut-back or emulsion, carrying the mixture by tipper trucks or by any other suitable arrangements, laying the mixture uniformly over the surface with paver finisher, including manual operations as and when required for proper line, grade and level to serve as wearing course on a previously prepared base, including mixing in Hot Mix Plant and thoroughly rolling with a smooth wheeled roller 8-10 tonne capacity, finished to required level and grades including the cost and carriage of stone chips and matrix, heating the matrix, preheating the aggregates to required temperature and including the hire charges of Hot Mix Plant and other machinery, pay of operators, cost of fuel and lubricants etc. complete as per Clause 510 of Specifications for Road & Bridge Works of Morth (5th revision)				
		(a) Using Mobile HMP (Light Duty)				
		(1x700mX3.20 m)-2240 Sqm	2240.00	sqm	111.30	249312.00
6	P-255 It-5.13(b)	Providing & laying Premixed Seal Coat (Type B) with approved quality sand/grit @ 0.006 m³/ 100 m² and hot bitumen binder on thoroughly cleaned black top surface coated with tack coat, including heating and mixing cleaned sand/grit (100% passing through 2.36mm sieve and retained on 180u sieve) uniformly with hot binder (@ 113.5 kg. per m³ of grit or sand in suitable pan / Mobile Hot Mix Plant (Light duty), laying and spreading the mix at an uniform rate using suitable means, brushing the surface, if necessary, to ensure uniformity, followed by rolling with power roller including the cost and carriage of binder and aggregates, cost of heating the binder and aggregates and all other incidental charges, cost of fuel and lubricants, including hire charges of machineries, tools & plants required for construction and quality control complete excluding cost of applying Tack Coat.				
		(a) Using Manual Means with hot Bitumen binder (@6.80 kg / 10sqm)	2240.00	sqm	41.22	92332.80
TOTAL =						428541.35
Add 12% G.S.T. =						51424.96
Cost of Civil Works Excluding Labour Welfare Cess =						479966.29
Labour Welfare Cess 1% =						4799.66
Total =						484765.95
Add Contingency @ 3% =						14542.98
Total =						499308.93
Say-						499309.00

Boy

SAE  
Burdwan Municipality

2/9/2021

MUNICIPAL ENGINEER  
(ASSISTANT ENGINEER)  
BURDWAN MUNICIPALITY

PChatterjee  
9/9/21

CHAIRPERSON  
Board of Administrators  
Burdwan Municipality

(In word Rupees four lakh seventy seven thousand four hundred and ninety three only)

Junior Engineer  
Burdwan Division  
M. E. Dte.  
U.D. & M.A. Dep.  
Govt. of W. B.

Assistant Engineer  
Burdwan Division  
M. E. Dte.  
U.D. & M.A. Dep  
Govt. of W. B.

Verter  
Executive Engineer  
Burdwan Division  
M.E. Dte.  
Govt. of W.B.



SL NO: 9

Estimate prepared following PWD Schedule of rates for Building Works with effect from 01.11.2017

Detailed Preparation of Bill of Materials for Building Works with effect from 01.11.2017										
SL NO	PAGE DETAILS	DESCRIPTION OF ITEM	MEASUREMENT							
			NO	L	B	H	QUANTITY	UNIT	RATE	AMOUNT
1	3. B. IT-1 (a)	Dismantling all types of masonry excepting cement concrete plain or reinforced, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m. a) In ground floor including roof.	1	11.00	0.25	1.20	3.30	Cum	447.00	1475.100
2	P-1, IT-2	Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete a) Depth of excavation not exceeding 1.5m	1.000	1.10	1.10	1.10	1.33			
			1.000	5.40	4.60	0.08	1.86			
							6.49	CUM	119.27	774.539
3	P-2, IT-4(A)	(A) Filling in foundation or plinth by fine sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on measurement of finished quantity)	1.000	1.10	1.10	0.10	0.12			
			1.000	4.60	5.40	0.25	6.21			
							6.33	CUM	640.86	4057.285
4	3. P-46, IT-13	Supplying and laying Polythene Sheet (150 gm / sq.m) over damp proof course or below flooring or roof terracing or in foundation or in foundation trenches.	1.000	1.10	1.10		1.21			
			1.000	4.60	5.40		24.84			
							26.05	Sq.m	24.00	625.200
5	P-24, IT-4	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement, if any, in ground floors as per relevant IS codes.	1.000	1.10	1.10	0.10	0.12			
			1.000	4.60	5.40	0.10	2.48			
							2.61	CUM	4610.04	12011.238
6	P-15, IT-8	Brick work with 1st class bricks in cement mortar (1:6)(a) In foundation and plinth	1.000	11.00	0.25	1.00	2.75			
			1.000	4.00	0.25	0.20	0.20			
							2.95	CUM	4812.00	14195.400



			4.000	0.68	0.10		0.27			
			4.000	0.20	0.20		0.16			
			4.000	0.83	0.15		0.50			
			1.000	0.83	0.83		0.68			
			2.000	0.63	0.75		0.94			
			1.000	0.68	0.68		0.46			
			4.000	0.68	0.10		0.27			
			1.000	0.83	0.82		0.68			
			4.000	0.83	0.20		0.66			
							5.07	SQM	3614.00	18306.265
11	p- 42 lt 36 a	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor)	1.000	3.60		0.45	1.62			
		(a) 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.	1.000	1.50		0.30	0.45			
			1.000	0.83		0.83	0.68			
			1.000	3.30		0.15	0.50			
			1.000	0.68		0.68	0.46			
			1.000	2.70		0.15	0.41			
			2.000	0.63		0.75	0.95			
			1.000	0.83		0.83	0.68			
			1.000	3.30		0.15	0.50			
			1.000	0.68		0.68	0.46			
			1.000	2.70		0.10	0.27			
							6.95			
							13.91	SQM	328.00	4560.840
12	p- 42 lt 36 f	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor)								
		(f) 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.	1.000	20.00		0.10	2.00	SQM	205.00	410.000
13	p- 67 lt 38/iv	Supplying, fitting & fixing Glass mosaic tiles at finished plain wall surface of size 20 mm x 20 mm x 4 mm in all colour, design, fixing in customize design as per direction of Engineer in- Charge. The glass mosaic tiles to be fixed on the wall surface with the help of approved adhesive applied at the rate of 2.5 kg per sqm and grouting of the same. The rate is inclusive of all operation, material and required pattern approved by Engineer-in-Charge. [At Ground Floor								
		iv) Repeated pattern/ Border Aligned Type Sqm. 2284 2284	2.000	0.63		0.90	1.13	SQM	2284.00	2590.056



19	P-62, It-32	Supplying, fitting & fixing granite slabs 15mm to 18 mm. thick with uniform texture & without decorative veins in columns, wall, fascia etc. with 15 mm thick [avg] cement mortar (1:2) including making suitable arrangements to hold the stones properly by brass / copper hooks including pointing in cement mortar (1:2) (1 white cement : 2 marble dust) with admixture of pigment matching the stone shades all complete as per direction of the Engineer-in-charge including cost of all materials, labours, scaffolding, staging, curing and roughening of concrete surface complete. Area of each Granite slab > 0.6 upto 1.0 square metre. [Using cement slurry at back side of granite @ 4.4 kg/sq.m & white cement slurry for joint filling @ 1.8 kg/sq.m]	2.000	1.00	1.00	2.00	Sqm	2306.00	4612.000
20	P-64, It-35	Supplying, fitting & fixing 1st quality Ceramic tiles in walls and floors to match with the existing work & 4 nos. of key stones (10mm) fixed with araldite at the back of each tile & finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesives & grout materials etc. (B) Wall With Sand Cement Mortar (1:3) 15 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m. (a) Area of each tile upto 0.09 Sq.m (i) Coloured decorative	1.000	11.00	1.00	11.00	Sqm	737.00	8107.000
SUB TOTAL=									199178.10
ADD 12 % GST=									23901.37
COST OF CIVIL WORKS EXCLUDING LABOUR WELFARE CESS=									223079.47
LABOUR WELFARE CESS 1%									2230.79
Total									225310.26
Add Contingency @ 3%									6692.38
Total									232002.65
Say									232002.00

*M. Manjrabor*

10/9/21

**SAE**  
**Burdwan Municipality**

*[Signature]*  
10/9/2021  
**MUNICIPAL ENGINEER**  
**(ASSISTANT ENGINEER)**  
**BURDWAN MUNICIPALITY**

*P. Chatterjee*  
**CHAIRPERSON**  
**Board of Administrators**  
**Burdwan Municipality**