

West Bengal State Rural Development Agency (WBSRDA)

Murshidabad Division

Notice Inviting Tender No. 1 of 2009-2010

Memo No. : 0474/MD/SRDA/N.I.T.-1

Date : 29.10.2009

For and on behalf of the West Bengal State Rural Development Agency, the Executive Engineer, West Bengal State Rural Development Agency, Murshidabad Division invites scaled percentage rate tenders from bonafied out siders/enlisted in the Zilla Parishad within the schedule time as mentioned here in.

	Date	Time
Last Date of Download of Tender Papers	20.11.2009	4 P.M.
Last Date of Receiving of Papers	24.11.2009	4 P.M.
Date of Opening of the Tender	26.11.2009	12 Noon

Tenderers may remain present during opening otherwise no claim will be entertained in respect of any discrepancy in the tender.

One percent of the billed amount will be deducted from the bills of the contractors for Cess in terms of the Building and other Construction Workers' Welfare Cess Act 1996.

Sl. No.	Name of the Work	Class of Contractors	Amount put to tender (in Rs.)	Earnest Money (in Rs.)	Time allowed (Days)	Cost of Tender Paper (in Rs.)
A.	i) Serpur to Gaysabad	Open to all	177000.00	14160.00	3 months	355.00
	ii) Mdanpur to Alugram Pry. School		118000.00			
	iii) ParchaticChunsahar to Prasadpur		177002.23			
	iv) Kanchuria Kagram Madaipur to Tenya Nowapara		118000.00			
	v) Andi High School to Amritamani		118021.94			
Total			708024.00	14160.00		355.00
B.	i) Kharjuna Moram Road to Sitalgram	Open to all	177028.24	14161.00	3 months	355.00
	ii) Nabagram to Mahalandi Pucca Road		118000.00			
	iii) Gokana G.P. Office to Chatra Masjid		118000.00			
	iv) Nabadanga Moram Road to G.P.Office Tilidanga		177000.00			
	v) Nabadanga Moram Road to G.P.Office to Panthai		118000.00			
Total			708028.00	14161.00		355.00

Executive Engineer
W.B.S.R.D.A., Murshidabad Division

Sl. No.	Name of the Work		Class of Contractors	Amount put to tender (in Rs.)	Earnest Money (in Rs.)	Time allowed (Days)	Cost of Tender Paper (in Rs.)
C.	i)	Reanpur Khmarpara to Panishala Moorum Road	Open to all	118001.11	15106.00	3 months	380.00
	ii)	Santala Gopal Das House to Gopal Ghosh Sweet		117989.52			
	iii)	Amaipara Jiaganj Market to Baranda Shibnagar		118022.54			
	iv)	Jiaganj Market PWD road to Faltala Busstand		117999.35			
	v)	Bagiapara Pry. School to Rasulpur Bagirapara Bus stand		165250.34			
	vi)	Balaspur to Milkidangapara		118044.82			
Total				755305.00	15106.00		380.00
D.	i)	Rameswarbati to Block Office	Open to all	118064.76	9442.00	3 months	240.00
	ii)	Skpara to Khularpukur		118015.41			
	iii)	Sekherpara to Nashipur G.P. Office		118002.30			
	iv)	Tikiapara to Amdahara		118000.38			
Total				472081.00	9442.00		240.00

Executive Engineer
W.B.S.R.D.A.
Murshidabad Division

• TERMS & CONDITIONS •

1. Eligible Contractors shall have to procure tender documents from download of website of P & RD (www.wbprd.gov.in).
2. Eligible Contractors shall have to furnish the requisite amount being cost for purchasing tender documents as shown in column in bank draft in favour of the Executive Engineer, WBSRDA, Murshidabad Division payable at Berhampore alongwith the tender papers.
3. Earnst money as shown in column shall have to be furnished in bank draft in favour of the Executive Engineer, WBSRDA, Murshidabad Division payable at Berhampore alongwith the tender paper.
4. Tender which should always to sealed in a covers with the name of work and N.I.T. No. and Sl. No. of the work written on the envelop will be received by the Office as per NIT and tender will be opened on the days and the hours by the Tender Committee of WBSRDA, Murshidabad Division.

5. For all Contractors:-

- a. Clearance Certificate of Sales Tax, Professional Tax valid upto date of opening of the tender.

6. For Registered Co-operative Societies:-

- a. Registration papers and current Audit Report
- b. Copy of Bye-law
- c. Declaration stating number of unemployed members
- d. No Objection Certificate from A.R.C.S.

7. For Bonafied Outsider Contractors:-

- a. Credential supported with payment certificates for similar type of works executed during last 5 (five) years, specially in the PWD/PW (Roads) Directorate or and any Govt. Engineering Department and Zilla Parishad covering more than 50% of the value of the work executed in the single job.

8. Submitted application along with enclosures may not be returned. Only original papers in support of the copies submitted shall be returned after verification.

9. Only one tender paper will be issued to each eligible applicant.

10. The application for tender paper if sent through bearer must be duly authorized by the applicant in complete shape.

11. Issue of Tender form, Acceptance of tender will rest with authority as shown in the list enclosed, who does not bind himself to issue Tender Form/accept the lowest or any tender and reserves to himself the right to reject any or all of the applications for Tender Forms/tenders received, without assigning any reason. In this context the discretion of the Tender Committee will be final and binding upon the applicant for the Tender Forms/tender. The Murshidabad Zilla Parishad authority also reserves the right to offer any serial of work in the list other than that specifically prayed for by the applicant and to distribute a particular work amongst more than one contractor without assigning any reason.

12. The contractor whose tender is accepted will be required to furnish security deposit for the due fulfillment of his contract amounting 10% (ten percent) of the total value of work actually done. The earnest money shall be converted as a part of the security money and the balance shall be realized by deduction from each progressive bill so that the total deduction together with earnest money already taken constitutes 10% of the total value of the work actually done. The deducted Security Money shall be refund to the tenderer after completion of six month of work.

13. In respect of successful tenders who have deposited fixed security, a subsequent security @ 10% (ten percent) shall be deducted from such progressive bill.

14. Before tendering, in intending tenderers should thoroughly be acquainted with themselves with the proposed work and site by local inspection and take into consideration the difficulties likely to be involved in the execution of works in all respect including difficulties in procurement of labour, materials, transport, communication, climatic condition, nature of soil, scarcity or water, availability of local labour, rate prevailing in the locality, availability of land for borrowing earth etc. All these factors should be taken into consideration before quoting rates as no claim what so ever will be entertained, in any of these accounts afterwards.

15. Contractors must produce valid Sales Tax, Professional Tax clearance Certificates, obtained from the competent authorities and other relevant papers/certificates as directed for being entitled to receive tender forms issued under any special circumstances to the tenders shall be rejected if they are not accompanied by such certificates.

16. It would also be noted by the Contractors that no subsequent letter other than the contract in standard form qualifying the terms and conditions of the contract will be entertained and such letter will not only invalidate the tender but will also call for disciplinary action against the contractor.

17. The rates quoted by the contractors should include W.B. Sales Tax/VAT and other taxes liable under local rates.

18. All works are to be done according to the current schedule of rates of PWD/PW (Roads) Directorate. The contractors will have to do work on the basis of schedule attached with the tender and they should quote rate of the printed tender form and in the enclosed schedule. The rate of percentage quoted should be both in works and figures and in words "below" or "above" or "at par" the estimate rates mentioned in the schedule attached with the tender. The percentage quoted will be applicable to both the total amount as well individual items. When a contractor signs tenders in Indian Language the total amount tendered should also be written in the same language. In case of illiterate contractors the rates tendered should be attested by a witness.

19. All corrections in the tender are to be signed and dated by contractors, illegible, irregular, incomplete tenders are liable to rejection.

20. This notice additional terms and condition if any will form part of contract. They must be submitted along with tender form duly signed by the contractor, failing which the tender is liable to be cancelled.

21. If any applicant for Tender Form does not subsequently participate in tender or if any tenderer withdraws his tenders before its acceptance or refusal within 90 (ninety) days time without giving any satisfactory explanation for such withdrawal he shall be disqualified for submitting any tender to this Department for a minimum period of one year. The earnest money deposited by the tenderer will also be forfeited. However the contractor whose rate stands lowest in the tender will have the option to withdraw his tender rate if the same is not accepted and work order not issued after expiry of 90 days from the date of opening of tender.

22. The tenderer should mention in the tender his full postal address.

23. Canvassing any form will make the tenderer liable for rejection.

24. The power of attorney which may be characterized as agency agreement will not be accepted without specific order of the government.

25. The tenderers are requested to be present at the time when the tenders will be opened and read out by the Executive Engineer, WBSRDA, Murshidabad Division and to put initial in the register as a token of witness.

26. Successful tenderers shall have to furnish duplicate tender with schedule of rates, quotations, additional terms and conditions tender notice duly signed by him/them within seven days positively from the date of receipt of written intimation of acceptance of tender, failing which his tender will be rejected and the earnest money deposited will be forfeited to the Govt. and letter of acceptance of tender and work order if issued will be treated as cancelled.

Memorandum

I do hereby agree to tender my rate against NIT no. 01 of 2009-2010 including all incidental charges

Sl. No.	Category of Group	Name of Works	Quoted rate (Both in word and figure)

Signature of Contractor

**Executive Engineer
W.B.S.R.D.A.
Murshidabad Division**

Memo No. : 0474/MD/SRDA/13-N.I.T.-1

Date : 29.10.2009

Copy of N.I.T. No. 1 of 2009-10 for forwarded for information to :-

1. Sabhadhipati, Murshidabad Zilla Parishad.
2. Sahakari Sabhadhipati, Murshidabad Zilla Parishad.
3. District Magistrate, Murshidabad.
4. Addl. Executive Officer, Murshidabad Zilla Parishad.
5. Karmadhakshya, Purta-Karya-O-Paribahan Sthayee Samity, Murshidabad Zilla Parishad.
6. District Engineer, Murshidabad Zilla Parishad.
- 7.-13. Assistant Engineer, P. & R.D., Murshidabad Zilla Parishad.

**Executive Engineer
W.B.S.R.D.A.
Murshidabad Division**

Memo No. : 0474/13/MD/SRDA/42-N.I.T.-1

Date : 29.10.2009

Copy of N.I.T. No. 1 of 2009-10 for forwarded with a request to display in the Notice Board to :-

- 1.-6. Executive Engineer, I & WD / PWD-I & II / PW(Roads)-I & II / P.W. Construction Board / CPWD-I, B.B. Zone, Murshidabad Divn.-I.
- 7.-11. Sub-Divisional Officer, Sadar / Domkal / Lalbugh / Kandi / Jangipur.
- 12.-38. Executive Officer, All Panchayat Samities of Murshidabad District.
39. W.B.S.R.D.A. Notice Board.
40. Murshidabad District Allied Contractors Association, N.H.-34 (Near Ranibagan Traffic More), P.O. Berhampore, Murshidabad.
41. Murshidabad District Builder's Association, Foujdari Court Compound, P.O. Berhampore.
42. Principal Secretary to the Govt. of West Bengal, Deptt. Of Panchayats and Rural Development, Jessop Building (1st Floor), 63, N. S. Road, Kolkata-700001.

**Executive Engineer
W.B.S.R.D.A.
Murshidabad Division**

Memo No. : 0474/13/42/MD/SRDA/42-N.I.T.-1(3)

Date : 29.10.2009

Copy forwarded for information to :-

1. Directorate of Information & Public Relations, Block-I, Top Floor, Writers' Buildings, Kolkata-1.
2. District Information & Cultural Officer, Murshidabad.

3. Assistant Labour Commissioner, 120, B. B. Sen Road, Berhampore, Murshidabad.

**Executive Engineer
W.B.S.R.D.A.
Murshidabad Division**

B.O.Q Group-A (No. of Roads Five)

Estimate for Maintenance of the road

- 1 **Name of the Road:-** Andi High School to Amritamani
 2 **Package No:-** WB-1301
 3 **Name of Block:-** Burwan
 4 **Length of the Road (In Km):-** 1.00
 5 **5 years defect liability period has been over on:-** 11.03.2008

Item No.	Description of Items	Unit	Quantity	Rate	Amount
1	Page No. 264, Item No. -16 of P.W. (Roads) Schedule Patching of potholes by draining water cutting the pothole area to rectangular shape with vertical edges, removing all loose materials, screening and stacking the same for reuse with new materials as per requirement, filling the pothole area with additional volume of crushed stone materials (Gr.-III) of Nalhati variety etc. and screenings as applicable, and compacting the same with static roller as per Water Bound Macadam Specification, including cost of all materials and machineries but excluding the cost of coarse aggregates and screening.	Cum	12.00	1538.95	18467.45
2	Page No. 37, Item No. -15.3(1) of Schedule of Rates (WBSRDA) Maintenance of Bituminous surface Road:- 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 75 mm (are) BM using 40 mm nominal size coarse aggregate (grade R materials and 3.50% Bitumen (S-65) 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 Clauses 502 and 503 & 504.	Cum	4.00	4385.23	17540.93
3	Page No. 17, Item No. -5.1 of Schedule of Rates (WBSRDA) Prime Coat with Bitumen Emulsion:- Providing and applying primer coat with bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70-1.0 Kg/sqm using mechanical means as per Technical Specification Clause 502 of Specification of Rural Roads. Construction will add cost and carriage of Bitumen Emulsion of approved quality @ 0.85 Kg/sqm.	sqm	160.00	27.67	4427.25
4	Page No. 17, Item No. -5.2 of Schedule of Rates (WBSRDA) Tack Coat with Bitumen Emulsion:- Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.20 to 0.25 Kg per sqm on the prepared bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503 of Specification of Rural Roads.	sqm	327.00	7.78	2543.15
5	Page No. 17, Item No. -5.9 of Schedule of Rates(WBSRDA) 20 mm thick Open-Graded Premix Carpet using Bituminous (penetration grade / modified bitumen) Binder:- Providing, laying and rolling of open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates either using penetration grade bitumen or emulsion to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static roller capacity, finished to required level and grades as per Technical Specification Clause 508 of Specification of Rural Roads including lighting, guarding, barricading etc. complete. Case - I By Manual Means (Using Mixall) (II) Bitumen (S-65)	sqm	327.00	112.16	36675.33
6	Page No. 17, Item No. -5.12 of Schedule of Rates (WBSRDA) Seal Coat Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type A, Type B and Type C as per Technical Specification Clause 510 of Specification of Rural Roads. A. By Manual Means (Using Mixall) Case - II : Type B (II) Bitumen (S-65)	sqm	327.00	38.10	12459.41
7	Page No. 37, Item No. -15.1 of Schedule of Rates (WBSRDA) Restoration of Rain Cuts:- Restoration or rain cuts with soil, moorum gravel or a mixture of these, clearing the loose soil, benching for 300 mm width laying fresh material in layers not exceeding 250 mm and compaction with plate compactor or power rammer to restore the original alignment, level and slopes as per drawings and technical specifications Clause 1902 of Specification of Rural Roads. A. Manual Means	cum	100.00	75.61	7561.00
8	Page No. 37, Item No. -15.2 of Schedule of Rates (WBSRDA) 1. 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 OMC up to a lead of 1000 m as per Technical Specification Clause 1903 of specification of Rural Roads. Construction wing will add cost of any materials if required for the maintenance.	sqm	510.00	12.28	6262.80
9	Page No. 27, Item No. 10.10 of Schedule of Rates (WBSRDA) 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 of Rural Roads. Ordinary Kilometre Stone (Percast):- Construction wing will add cost of 0.269 cum M15 cement concrete and 1.88 kg of steel reinforcement.	no.	2	1182.17	2364.34
10	Page No. 27, Item No. 10.16 of Schedule of Rates (WBSRDA) Providing and Fixing 'Logo' of PMGSY Project :- Providing and fixing of typical PMGSY informatory sign board with Logo as per MORD specifications and drawing. Three MS Plates of 1.6 mm thick, top and middle plate duly welded with MS flat iron 25 mm x 5 m size on back on edges. The lower palte will be welded with MS angle iron frame of 25 mm x 25 mm x 5 m. The angle iron frame of the lower most plate and flat iron frame of middle plate will be welded to 2 nos. 75 mm x 75 mm of 12 SWG sheettubes posts duly embedded in cement concrete M15grade blocks of 450 mm x 450 mm x 600 mm, 600 mm below ground level. The top most diamond plate will be welded to middle plate by 47 mm x 47 mm 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 construction wing will add cost of 0.252 cum M15 cement concrete.	no.	1	6720.29	6720.29
11	Preparation of As built drawing of this road by Total Station or by campus survey with detail objects / structural submission in A3 Size paper with plastic cover & spiril binding - 2 copies.	no.	1	3000.00	3000.00
Total					118021.94

B.O.Q Group-A (No. of Roads Five)

Estimate for Maintenance of the road

- 1 **Name of the Road:-** Kanchuria Kagram Madaipur to Tenya Nowapara
 2 **Package No:-** WB-1301
 3 **Name of Block:-** Bharatpur-II
 4 **Length of the Road (In Km):-** 1.00
 5 **5 years defect liability period has been over on:-** 17.12.2007

Item No.	Description of Items	Unit	Quantity	Rate	Amount
1	Page No. 264, Item No. -16 of P.W. (Roads) Schedule Patching of potholes by draining water cutting the pothole area to rectangular shape with vertical edges, removing all loose materials, screening and stacking the same for reuse with new materials as per requirement, filling the pothole area with additional volume of crushed stone materials (Gr.-III) of Nalhati variety etc. and screenings as applicable, and compacting the same with static roller as per Water Bound Macadam Specification, including cost of all materials and machineries but excluding the cost of coarse aggregates and screening.	Cum	21.75	1895.71	41231.61
2	Page No. 17, Item No. -5.2 of Schedule of Rates (WBSRDA) Tack Coat with Bitumen Emulsion:- Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.20 to 0.25 Kg per sqm on the prepared bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503 of Specification of Rural Roads.	sqm	290.00	7.95	2305.12
3	Page No. 17, Item No. -5.9 of Schedule of Rates (WBSRDA) 20 mm thick Open-Graded Premix Carpet using Bituminous (penetration grade / modified bitumen) Binder:- Providing, laying and rolling of open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates either using penetration grade bitumen or emulsion to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static roller capacity, finished to required level and grades as per Technical Specification Clause 508 of Specification of Rural Roads including lighting, guarding, barricading etc. complete. Case - I By Manual Means (Using Mixall) (II) Bitumen (S-65)	sqm	290.00	118.86	34469.68
4	Page No. 17, Item No. -5.12 of Schedule of Rates (WBSRDA) Seal Coat Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type A, Type B and Type C as per Technical Specification Clause 510 of Specification of Rural Roads. A. By Manual Means (Using Mixall) Case - II : Type B (II) Bitumen (S-65)	sqm	290.00	39.61	11485.98
5	Page No. 37, Item No. -15.1 of Schedule of Rates (WBSRDA) Restoration of Rain Cuts:- Restoration of rain cuts with soil, moorum gravel or a mixture of these, clearing the loose soil, benching for 300 mm width laying fresh material in layers not exceeding 250 mm and compaction with plate compactor or power rammer to restore the original alignment, level and slopes as per drawings and technical specifications Clause 1902 of Specification of Rural Roads. A. Manual Means	cum	100.00	75.61	7561.00
6	Page No. 37, Item No. -15.2 of Schedule of Rates (WBSRDA) 1. 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 OMC up to a lead of 1000 m as per Technical Specification Clause 1903 of specification of Rural Roads. Construction wing will add cost of any materials if required for the maintenance.	sqm	500.00	12.28	6140.00
	2. Maintenance of Earthen Shoulders (Stripping of excess soil):- Stripping excess soil from the shoulder surface to achieve the approved level and compacting with plate compactor at OMC as per drawing and Technical Specification Clause 1903 of specification of Rural Roads.	sqm	495.80	5.49	2721.98
7	Page No. 27, Item No. 10.10 of Schedule of Rates (WBSRDA) 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 of Rural Roads. Ordinary Kilometre Stone (Precast):- Construction wing will add cost of 0.269 cum M-15 Cement Concrete and 1.88 Kg of Steel reinforcement.	no.	2	1182.17	2364.34
8	Page No. 27, Item No. 10.16 of Schedule of Rates (WBSRDA) Providing and Fixing 'Logo' of PMGSY Project:- Providing and fixing of typical PMGSY informatory sign board with Logo as per MORD specifications and drawing. Three MS Plates of 1.6 mm thick, top and middle plate duly welded with MS flat iron 25 mm x 5 m size on back on edges. The lower palte will be welded with MS angle iron frame of 25 mm x 25 mm x 5 m. The angle iron frame of the lower most plate and flat iron frame of middle plate will be welded to 2 nos. 75 mm x 75 mm of 12 SWG sheettubes posts duly embedded in cement concrete M-15 grade blocks of 450 mm x 450 mm x 600 mm, 600 mm below ground level. The top most diamond plate will be welded to middle plate by 47 mm x 47 mm of 12 SWG steel palte 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 Construction wing will add cost of 0.252 cum M-15 Cement Concrete.	no.	1	6720.28	6720.28
9	Preparation of As built drawing of this road by Total Station or by campus survey with detail objects / structural submission in A3 Size paper with plastic cover & spiril binding - 2 copies.	no.	1	3000.00	3000.00
Total					118000.00

B.O.Q Group-A (No. of Roads Five)

Estimate for Maintenance of the road

- 1 **Name of the Road:-** Madanpur to Alugram Primary school
 2 **Package No:-** WB-1301
 3 **Name of Block:-** Bharatpur-I
 4 **Length of the Road (In Km):-** 1.00
 5 **5 years defect liability period has been over on:-** 23.02.2008

Item No.	Description of Items	Unit	Quantity	Rate	Amount
1	Page No. 37, Item No. -15.1 of Schedule of Rates (WBSRDA) Restoration of Rain Cuts:- Restoration or rain cuts with soil, moorum gravel or a mixture of these, clearing the loose soil, benching for 300 mm width laying fresh material in layers not exceeding 250 mm and compaction with plate compactor or power rammer to restore the original alignment, level and slopes as per drawings and technical specifications Clause 1902 of Specification of Rural Roads. A. Manual Means	cum	230.00	75.61	17390.30
2	Page No. 37, Item No. -15.2 of Schedule of Rates (WBSRDA) 1. 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 OMC up to a lead of 1000 m as per Technical Specification Clause 1903 of specification of Rural Roads. Construction wing will add cost of any materials if required for the maintenance. 2. Maintenance of Earthen Shoulders (Stripping of excess soil):- Stripping excess soil from the shoulder surface to achieve the approved level and compacting with plate compactor at OMC as per drawing and Technical Specification Clause 1903 of specification of Rural Roads.	sqm	900.00	12.28	11052.00
3	Page No. 27, Item No. 10.10 of Schedule of Rates (WBSRDA) 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 of Rural Roads. Ordinary Kilometre Stone (Percast):- Construction wing will add cost of 0.269 cum M15 cement concrete and 1.88 kg of steel reinforcement.	no.	2	1182.17	2364.34
4	Page No. 27, Item No. 10.16 of Schedule of Rates (WBSRDA) Providing and Fixing 'Logo' of PMGSY Project :- Providing and fixing of typical PMGSY informatory sign board with Logo as per MORD specifications and drawing. Three MS Plates of 1.6 mm thick, top and middle plate duly welded with MS flat iron 25 mm x 5 m size on back on edges. The lower palte will be welded with MS angle iron frame of 25 mm x 25 mm x 5 m. The angle iron frame of the lower most plate and flat iron frame of middle plate will be welded to 2 nos. 75 mm x 75 mm of 12 SWG sheettubes posts duly embedded in cement concrete M15grade blocks of 450 mm x 450 mm x 600 mm, 600 mm below ground level. The top most diamond plate will be welded to middle plate by 47 mm x 47 mm 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 reured 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 construction wing will add cost of 0.252 cum M15 cement concrete.	no.	1	6720.29	6720.29
5	Page No. 36, New Item No. 9 of Schedule of Rates (WBSRDA) Close bamboo piling made of 65 mm 75 mm dia bamboo (in single line) driven about half length into the ground side by side, with stout stays at in interval of 1 m 3 nos. of half split bamboo runner of same dia fitted and fixed with nails etc. Complete as per direction (Measurements shall be taken along the length of piling after finishing the works(c) with bamboos of length above 2.50 m, and upto 3.0 m each.	m	30	491.87	14756.10
6	Earth Work in excavation for structures to a depth as per drawing/direction and as per clause 305.1 of Specification of Rural Roads, MORD, including cost of bailing out of water, lighting, barricading, guarding etc. complete..	HP Culvert cum	8.56	66.72	571.12
7	Providing plain cement concrete (M15) in open foundations with Nalhatti variety graded stone chips. Coarse sand and approved brand of cement complete as per drawing / direction and technical specifications clauses 802, 803, 1202, 1203; including cost of curin.	HP Culvert cum	3.47	3125.19	10844.41
8	Brick Masonry work (1:4) in cement and sand mortar with 1st Class kiln burnt brick in foundation complete as per drawing, direction & clauses 600, 1202 & 1203 of Specification of Rural Roads, MORD; including cost of curing, staging, bailing out water.	HP Culvert cum Guard Wall cum	7.35 2.70	2703.04	27165.55
9	15 mm thick Plastering with cement and sand Morter (1:4) on brick work in substructure as per clauses 613.4 & 1204 of specification of Rural Roads, MORD; including cost of curing, lighting, barricading, protecting etc.	HP Culvert sqm Guard Wall sqm	15.10 19.35	79.93	2753.59
10	Neat cement punning on cement plaster surface; including cost of staging, curing, lighting, barricading, protecting etc.	HP Culvert sqm Guard Wall sqm	15.10 19.35	20.65	711.39
11	Providing and lying Reinforced cement concrete pipe NP3 (as per design in single row 600 mm dia) for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection.	m	7.50	2078.05	15585.38
12	Preparation of As built drawing of this road by Total Station or by campus survey with detail objects / structural submission in A3 Size paper with plastic cover & spiril binding - 2 copies.	no.	1	3000.00	3000.00
Total					118000.00

B.O.Q Group-A (No. of Roads Five)

Estimate for Maintenance of the road

- 1 **Name of the Road:-** Parchatic Chunsahar to Prasadpur
 2 **Package No:-** WB-1301
 3 **Name of Block:-** Bharatpur-II
 4 **Length of the Road (In Km):-** 1.50
 5 **5 years defect liability period has been over on:-** 24.03.2008

Item No.	Description of Items	Unit	Quantity	Rate	Amount
1	Page No. 264, Item No. -16 of P.W. (Roads) Schedule Patching of potholes by draining water cutting the pothole area to rectangular shape with vertical edges, removing all loose materials, screening and stacking the same for reuse with new materials as per requirement, filling the pothole area with additional volume of crushed stone materials (Gr.-III) of Nahati variety etc. and screenings as applicable, and compacting the same with static roller as per Water Bound Macadam Specification, including cost of all materials and machineries but excluding the cost of coarse aggregates and screening.	Cum	10.00	1895.71	18957.06
2	Page No. 17, Item No. -5.1 of Schedule of Rates (WBSRDA) Prime Coat with Bitumen Emulsion:- Providing and applying primer coat with bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70-1.0 Kg/sqm using mechanical means as per Technical Specification Clause 502 of Specification of Rural Roads. Construction will add cost and carriage of Bitumen Emulsion of approved quality @ 0.85 Kg/sqm.	sqm	107.00	27.71	2964.95
3	Page No. 17, Item No. -5.2 of Schedule of Rates (WBSRDA) Tack Coat with Bitumen Emulsion:- Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.20 to 0.25 Kg per sqm on the prepared bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503 of Specification of Rural Roads.	sqm	720.00	7.95	5723.06
4	Page No. 17, Item No. -5.9 of Schedule of Rates (WBSRDA) 20 mm thick Open-Graded Premix Carpet using Bituminous (penetration grade / modified bitumen) Binder:- Providing, laying and rolling of open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates either using penetration grade bitumen or emulsion to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static roller capacity, finished to required level and grades as per Technical Specification Clause 508 of Specification of Rural Roads including lighting, guarding, barricading etc. complete. Case - I By Manual Means (Using Mixall) (II) Bitumen (S-65)	sqm	720.00	118.86	85579.90
5	Page No. 17, Item No. -5.12 of Schedule of Rates (WBSRDA) Seal Coat Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type A, Type B and Type C as per Technical Specification Clause 510 of Specification of Rural Roads. A. By Manual Means (Using Mixall) Case - II : Type B (II) Bitumen (S-65)	sqm	720.00	39.61	28516.91
6	Page No. 37, Item No. -15.1 of Schedule of Rates (WBSRDA) Restoration of Rain Cuts:- Restoration or rain cuts with soil, moorum gravel or a mixture of these, clearing the loose soil, benching for 300 mm width laying fresh material in layers not exceeding 250 mm and compaction with plate compactor or power rammer to restore the original alignment, level and slopes as per drawings and technical specifications Clause 1902 of Specification of Rural Roads. A. Manual Means	cum	150.00	75.61	11341.50
7	Page No. 37, Item No. -15.2 of Schedule of Rates (WBSRDA) 1. 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 OMC up to a lead of 1000 m as per Technical Specification Clause 1903 of specification of Rural Roads. Construction wing will add cost of any materials if required for the maintenance.	sqm	750.00	12.28	9210.00
	2. Maintenance of Earthen Shoulders (Stripping of excess soil):- Stripping excess soil from the shoulder surface to achieve the approved level and compacting with plate compactor at OMC as per drawing and Technical Specification Clause 1903 of specification of Rural Roads.	sqm	478.00	5.49	2624.22
8	Page No. 27, Item No. 10.10 of Schedule of Rates (WBSRDA) 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 of Rural Roads. Ordinary Kilometre Stone (Percast):- Construction wing will add cost of 0.269 cum M15 cement concrete and 1.88 kg of steel reinforcement.	no.	2	1182.17	2364.34
9	Page No. 27, Item No. 10.16 of Schedule of Rates (WBSRDA) Providing and Fixing 'Logo' of PMGSY Project :- Providing and fixing of typical PMGSY informatory sign board with Logo as per MORD specifications and drawing. Three MS Plates of 1.6 mm thick, top and middle plate duly welded with MS flat iron 25 mm x 5 m size on back on edges. The lower plate will be welded with MS angle iron frame of 25 mm x 25 mm x 5 m. The angle iron frame of the lower most plate and flat iron frame of middle plate will be welded to 2 nos. 75 mm x 75 mm of 12 SWG sheet tubes posts duly embedded in cement concrete M15 grade blocks of 450 mm x 450 mm x 600 mm, 600 mm below ground level. The top most diamond plate will be welded to middle plate by 47 mm x 47 mm 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 construction wing will add cost of 0.252 cum M15 cement concrete.	no.	1	6720.28	6720.28
10	Preparation of As built drawing of this road by Total Station or by campus survey with detail objects / structural submission in A3 Size paper with plastic cover & spiral binding - 2 copies.	no.	1	3000.00	3000.00
Total					177002.23

B.O.Q Group-A (No. of Roads Five)

Estimate for Maintenance of the road

- 1 **Name of the Road:-** Serpur to Gaysabad
- 2 **Package No:-** WB-1301
- 3 **Name of Block:-** Bharatpur-I
- 4 **Length of the Road (In Km):-** 1.50
- 5 **5 years defect liability period has been over on:-** 30.05.2008

Item No.	Description of Items	Unit	Quantity	Rate	Amount
1	Page No. 264, Item No. -16 of P.W. (Roads) Schedule <u>Patching of potholes</u> by draining water cutting the pothole area to rectangular shape with vertical edges, removing all loose materials, screening and stacking the same for reuse with new materials as per requirement, filling the pothole area with additional volume of crushed stone materials (Gr.-III) of Nalhathi variety etc. and screenings as applicable, and compacting the same with static roller as per Water Bound Macadam Specification, including cost of all materials and machineries but excluding the cost of coarse aggregates and screening.	Cum	33.87	1793.78	60755.23
2	Page No. 17, Item No. -5.2 of Schedule of Rates (WBSRDA) <u>Tack Coat with Bitumen Emulsion:-</u> Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.20 to 0.25 Kg per sqm on the prepared bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503 of Specification of Rural Roads.	sqm	450.00	7.93	3568.00
3	Page No. 17, Item No. -5.9 of Schedule of Rates(WBSRDA) <u>20 mm thick Open-Graded Premix Carpet using Bituminous (penetration grade / modified bitumen) Binder:-</u> Providing, laying and rolling of open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates either using penetration grade bitumen or emulsion to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static roller capacity, finished to required level and grades as per Technical Specification Clause 508 of Specification of Rural Roads including lighting, guarding, barricading etc. complete. Case - I By Manual Means (Using Mixall) (II) Bitumen (S-65)	sqm	450.00	116.88	52596.00
4	Page No. 17, Item No. -5.12 of Schedule of Rates (WBSRDA) <u>Seal Coat</u> Providing and laying seal coat seasing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type A, Type B and Type C as per Technical Specification Clause 510 of Specification of Rural Roads. A. By Manual Means (Using Mixall) Case - II : Type B (II) Bitumen (S-65)	sqm	450.00	39.15	17617.45
5	Page No. 37, Item No. -15.1 of Schedule of Rates (WBSRDA) <u>Restoration of Rain Cuts:-</u> Restoration or rain cuts with soil, moorum gravel or a mixture of these, clearing the loose soil, benching for 300 mm width laying fresh material in layers not exceeding 250 mm and compaction with plate compactor or power rammer to restore the original alignment, level and slopes as per drawings and technical specifications Clause 1902 of Specification of Rural Roads. A. Manual Means	cum	200.00	75.61	15122.00
6	Page No. 37, Item No. -15.2 of Schedule of Rates (WBSRDA) <u>1. Maintenance of Earthen Shoulders (Filling with selected soil):-</u> 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 OMC up to a lead of 1000 m as per Technical Specification Clause 1903 of specification of Rural Roads. Construction wing will add cost of any materials if required for the maintenance.	sqm	750.00	12.28	9210.00
	<u>2. Maintenance of Earthen Shoulders (Stripping of excess soil):-</u> Stripping excess soil from the shoulder surface to achieve the approved level and compacting with plate compactor at OMC as per drawing and Technical Specification Clause 1903 of specification of Rural Roads.	sqm	886.07	5.49	4864.52
7	Page No. 27, Item No. 10.10 of Schedule of Rates (WBSRDA) <u>Kilometre Stone:-</u> 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 of Rural Roads. <u>Ordinary Kilometre Stone (Precast):-</u> Construction wing will add cost of 0.269 cum M-15 Cement Concrete and 1.88 Kg of Steel reinforcement.	no.	3	1182.17	3546.51
8	Page No. 27, Item No. 10.16 of Schedule of Rates (WBSRDA) <u>Providing and Fixing 'Loge' of PMGSY Project:-</u> Providing and fixing of typical PMGSY informatory sign board with Logo as per MORD specifications and drawing. Three MS Plates of 1.6 mm thick, top and middle plate duly welded with MS flat iron 25 mm x 5 m size on back on edges. The lower palte will be welded with MS angle iron frame of 25 mm x 25 mm x 5 m. The angle iron frame of the lower most plate and flat iron frame of middle plate will be welded to 2 nos. 75 mm x 75 mm of 12 SWG sheettubes posts duly embedded in cement concrete M-15 grade blocks of 450 mm x 450 mm x 600 mm, 600 mm below ground level. The top most diamond plate will be welded to middle plate by 47 mm x 47 mm of 12 SWG steel palte 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 Construction wing will add cost of 0.252 cum M-15 Cement Concrete	no.	1	6720.29	6720.29
9	Preparation of As built drawing of this road by Total Station or by campus survey with detail objects / structural submission in A3 Size paper with plastic cover & spiril binding - 2 copies.	no.	1	3000.00	3000.00
Total					177000.00

B.O.Q Group-B (No. of Roads Five)

Estimate for Maintenance of the road

- 1 **Name of the Road:- Gokarna G. P. Office to Chatra Masjid**
- 2 **Package No:- WB-1301**
- 3 **Name of Block:- Kandi**
- 4 **Length of the Road (In Km):- 1.00**
- 5 **5 years defect liability period has been over on:- 19.03.2008**

Item No.	Description of Items	Unit	Quantity	Rate	Amount
1	Page No. 17, Item No. -5.2 of Schedule of Rates (WBSRDA) <u>Tack Coat with Bitumen Emulsion</u> :- Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.20 to 0.25 Kg per sqm on the prepared bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503 of Specification of Rural Roads.	sqm	550.00	7.90	4266.00
2	Page No. 17, Item No. -5.9 of Schedule of Rates(WBSRDA) <u>20 mm thick Open-Graded Premix Carpet using Bituminous (penetration grade / modified bitumen) Binder</u> :- Providing, laying and rolling of open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates either using penetration grade bitumen or emulsion to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static roller capacity, finished to required level and grades as per Technical Specification Clause 508 of Specification of Rural Roads including lighting, guarding, barricading etc. complete. Case - I By Manual Means (Using Mixall) (II) Bitumen (S-65)	sqm	550.00	117.88	63655.20
3	Page No. 17, Item No. -5.12 of Schedule of Rates (WBSRDA) <u>Seal Coat</u> Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type A, Type B and Type C as per Technical Specification Clause 510 of Specification of Rural Roads. A. By Manual Means (Using Mixall) Case - II : Type B (II) Bitumen (S-65)	sqm	550.00	39.32	21232.80
4	Page No. 37, Item No. -15.1 of Schedule of Rates (WBSRDA) <u>Restoration of Rain Cuts</u> :- Restoration or rain cuts with soil, moorum gravel or a mixture of these, clearing the loose soil, benching for 300 mm width laying fresh material in layers not exceeding 250 mm and compaction with plate compactor or power rammer to restore the original alignment, level and slopes as per drawings and technical specifications Clause 1902 of Specification of Rural Roads. A. Manual Means	cum	100.00	75.61	7561.00
5	Page No. 37, Item No. -15.2 of Schedule of Rates (WBSRDA) 1. <u>Maintenance of Earthen Shoulders (Filling with selected soil)</u> :- 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 OMC up to a lead of 1000 m as per Technical Specification Clause 1903 of specification of Rural Roads. Construction wing will add cost of any materials if required for the maintenance.	sqm	300.00	12.28	3684.00
	2. <u>Maintenance of Earthen Shoulders (Stripping of excess soil)</u> :- Stripping excess soil from the shoulder surface to achieve the approved level and compacting with plate compactor at OMC as per drawing and Technical Specification Clause 1903 of specification of Rural Roads.	sqm	466.85	5.49	2563.01
6	Page No. 27, Item No. 10.10 of Schedule of Rates (WBSRDA) <u>Kilometre Stone</u> :- 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 of Rural Roads. <u>Ordinary Kilometre Stone (Precast)</u> :- Construction wing will add cost of 0.269 cum M-15 Cement Concrete and 1.88 Kg of Steel reinforcement.	no.	2	1182.17	2364.34
7	Page No. 27, Item No. 10.16 of Schedule of Rates (WBSRDA) <u>Providing and Fixing 'Logo' of PMGSY Project</u> :- Providing and fixing of typical PMGSY informatory sign board with Logo as per MORD specifications and drawing. Three MS Plates of 1.6 mm thick, top and middle plate duly welded with MS flat iron 25 mm x 5 m size on back on edges. The lower palte will be welded with MS angle iron frame of 25 mm x 25 mm x 5 m. The angle iron frame of the lower most plate and flat iron frame of middle plate will be welded to 2 nos. 75 mm x 75 mm of 12 SWG sheettubes posts duly embedded in cement concrete M-15 grade blocks of 450 mm x 450 mm x 600 mm, 600 mm below ground level. The top most diamond plate will be welded to middle plate by 47 mm x 47 mm of 12 SWG steel palte 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 Construction wing will add cost of 0.252 cum M-15 Cement Concrete	no.	1	6720.30	6720.30
8	Preparation of As built drawing of this road by Total Station or by campus survey with detail objects / structural submission in A3 Size paper with plastic cover & spiril binding - 2 copies.	no.	1	3000.00	3000.00
Total					118000.00

B.O.Q Group-B (No. of Roads Five)

Estimate for Maintenance of the road

- 1 **Name of the Road:-** Kharjuna Moram Road to Sitalgram
 2 **Package No:-** WB-1301
 3 **Name of Block:-** Burwan
 4 **Length of the Road (In Km):-** 1.50
 5 **5 years defect liability period has been over on:-** 11.03.2008

Item No.	Description of Items	Unit	Quantity	Rate	Amount
1	Page No. 37, Item No. -15.1 of Schedule of Rates (WBSRDA) Restoration of Rain Cuts:- Restoration or rain cuts with soil, moorum gravel or a mixture of these, clearing the loose soil, benching for 300 mm width laying fresh material in layers not exceeding 250 mm and compaction with plate compactor or power rammer to restore the original alignment, level and slopes as per drawings and technical specifications Clause 1902 of Specification of Rural Roads. A. Manual Means	cum	150.00	75.61	11341.50
2	Page No. 37, Item No. -15.2 of Schedule of Rates (WBSRDA) 1. 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 OMC up to a lead of 1000 m as per Technical Specification Clause 1903 of specification of Rural Roads. Construction wing will add cost of any materials if required for the maintenance. 2. Maintenance of Earthen Shoulders (Stripping of excess soil):- Stripping excess soil from the shoulder surface to achieve the approved level and compacting with plate compactor at OMC as per drawing and Technical Specification Clause 1903 of specification of Rural Roads.	sqm	200.00	12.28	2456.00
3	Page No. 27, Item No. 10.10 of Schedule of Rates (WBSRDA) 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 of Rural Roads. Ordinary Kilometre Stone (Percast):- Construction wing will add cost of 0.269 cum M15 cement concrete and 1.88 kg of steel reinforcement.	no.	2	1182.17	2364.34
4	Page No. 259, Item No. - 7 PWD (Roads) Schedule Supplying spreading consolidating Laterite chelly (45 to 63 mm insize) in hard curst to requisite thickness (measured after compaction) in layers including screening of bats/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 on one metre width on each side where necessary to protect eadges 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 man and machineries and as per specification and direction of Engineer-in-charge but excluding the cost oc bats/chelly. Using Laterite metal of size 63 mm-45 mm for compacted thickness 75 mm.	sqm	1277.00	115.84	147922.95
5	Page No. 27, Item No. 10.16 of Schedule of Rates (WBSRDA) Providing and Flxing 'Logo' of PMGSY Project :- Providing and fixing of typical PMGSY informatory sign board with Logo as per MORD specifications and drawing. Three MS Plates of 1.6 mm thick, top and middle plate duly welded with MS flat iron 25 mm x 5 m size on back on edges. The lower palte will be welded with MS angle iron frame of 25 mm x 25 mm x 5 m. The angle iron frame of the lower most plate and flat iron frame of middle plate will be welded to 2 nos. 75 mm x 75 mm of 12 SWG sheettubes posts duly embedded in cement concrete M15grade blocks of 450 mm x 450 mm x 600 mm, 600 mm below ground level. The top most diamond plate will be welded to middle plate by 47 mm x 47 mm 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 reired 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 construction wing will add cost of 0.252 cum M15 cement concrete.	no.	1	6720.29	6720.29
6	Preparation of As built drawing of this road by Total Station or by campus survey with detail objects / structural submission in A3 Size paper with plastic cover & spiril binding - 2 copies.	no.	1	3000.00	3000.00
Total					177028.24

B.O.Q Group-B (No. of Roads Five)

Estimate for Maintenance of the road

- 1 **Name of the Road:- Nabagram to Mahalandi Pucca Road**
 2 **Package No:- WB-1301**
 3 **Name of Block:- Kandi**
 4 **Length of the Road (In Km):- 1.00**
 5 **5 years defect liability period has been over on:- 23.11.2007**

Item No.	Description of Items	Unit	Quantity	Rate	Amount
1	Page No. 17, Item No. -5.2 of Schedule of Rates (WBSRDA) <u>Tack Coat with Bitumen Emulsion</u> :- Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.20 to 0.25 Kg per sqm on the prepared bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503 of Specification of Rural Roads.	sqm	540.00	7.90	4266.00
2	Page No. 17, Item No. -5.9 of Schedule of Rates(WBSRDA) <u>20 mm thick Open-Graded Premix Carpet using Bituminous (penetration grade / modified bitumen) Binder</u> :- Providing, laying and rolling of open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates either using penetration grade bitumen or emulsion to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static roller capacity, finished to required level and grades as per Technical Specification Clause 508 of Specification of Rural Roads including lighting, guarding, barricading etc. complete. Case - I By Manual Means (Using Mixall) (II) Bitumen (S-65)	sqm	540.00	117.88	63655.20
3	Page No. 17, Item No. -5.12 of Schedule of Rates (WBSRDA) <u>Seal Coat</u> Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type A, Type B and Type C as per Technical Specification Clause 510 of Specification of Rural Roads. A. By Manual Means (Using Mixall) Case - II : Type B (II) Bitumen (S-65)	sqm	540.00	39.32	21232.80
4	Page No. 37, Item No. -15.1 of Schedule of Rates (WBSRDA) <u>Restoration of Rain Cuts</u> :- Restoration or rain cuts with soil, moorum gravel or a mixture of these, clearing the loose soil, benching for 300 mm width laying fresh material in layers not exceeding 250 mm and compaction with plate compactor or power rammer to restore the original alignment, level and slopes as per drawings and technical specifications Clause 1902 of Specification of Rural Roads. A. Manual Means	cum	135.00	75.61	10207.35
5	Page No. 37, Item No. -15.2 of Schedule of Rates (WBSRDA) <u>1. Maintenance of Earthen Shoulders (Filling with selected soil)</u> :- 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 OMC up to a lead of 1000 m as per Technical Specification Clause 1903 of specification of Rural Roads. Construction wing will add cost of any materials if required for the maintenance.	sqm	325.00	12.28	3991.00
	<u>2. Maintenance of Earthen Shoulders (Stripping of excess soil)</u> :- Stripping excess soil from the shoulder surface to achieve the approved level and compacting with plate compactor at OMC as per drawing and Technical Specification Clause 1903 of specification of Rural Roads.	sqm	466.85	5.49	2563.01
6	Page No. 27, Item No. 10.10 of Schedule of Rates (WBSRDA) <u>Kilometre Stone</u> :- 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 of Rural Roads. <u>Ordinary Kilometre Stone (Percast)</u> :- Construction wing will add cost of 0.269 cum M15 cement concrete and 1.88 kg of steel reinforcement.	no.	2	1182.17	2364.34
7	Page No. 27, Item No. 10.16 of Schedule of Rates (WBSRDA) <u>Providing and Fixing 'Logo' of PMGSY Project</u> :- Providing and fixing of typical PMGSY informatory sign board with Logo as per MORD specifications and drawing. Three MS Plates of 1.6 mm thick, top and middle plate duly welded with MS flat iron 25 mm x 5 m size on back on edges. The lower palte will be welded with MS angle iron frame of 25 mm x 25 mm x 5 m. The angle iron frame of the lower most plate and flat iron frame of middle plate will be welded to 2 nos. 75 mm x 75 mm of 12 SWG sheettubes posts duly embedded in cement concrete M15grade blocks of 450 mm x 450 mm x 600 mm, 600 mm below ground level. The top most diamond plate will be welded to middle plate by 47 mm x 47 mm 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 reired 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 construction wing will add cost of 0.252 cum M15 cement concrete.	no.	1	6720.30	6720.30
8	Preparation of As built drawing of this road by Total Station or by campus survey with detail objects / structural submission in A3 Size paper with plastic cover & spiril binding - 2 copies.	no.	1	3000.00	3000.00
Total					118000.00

B.O.Q Group-B (No. of Roads Five)

Estimate for Maintenance of the road

- 1 **Name of the Road:-** Nonadanga Moram Road to G.P.Office Tildanga
- 2 **Package No:-** WB-1301
- 3 **Name of Block:-** Khargram
- 4 **Length of the Road (In Km.):-** 1.50
- 5 **5 years defect liability period has been over on:-** 22.11.2007

Item No.	Description of Items	Unit	Quantity	Rate	Amount
1	Page No. 37, Item No. -15.1 of Schedule of Rates (WBSRDA) <u>Restoration of Rain Cuts:-</u> Restoration or rain cuts with soil, moorum gravel or a mixture of these, clearing the loose soil, benching for 300 mm width laying fresh material in layers not exceeding 250 mm and compaction with plate compactor or power rammer to restore the original alignment, level and slopes as per drawings and technical specifications Clause 1902 of Specification of Rural Roads. A. Manual Means	cum	200.00	75.61	15122.00
2	Page No. 37, Item No. -15.2 of Schedule of Rates (WBSRDA) <u>1. Maintenance of Earthen Shoulders (Filling with selected soil):-</u> 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 OMC up to a lead of 1000 m as per Technical Specification Clause 1903 of specification of Rural Roads. Construction wing will add cost of any materials if required for the maintenance.	sqm	224.00	12.28	2750.72
	<u>2. Maintenance of Earthen Shoulders (Stripping of excess soil):-</u> Stripping excess soil from the shoulder surface to achieve the approved level and compacting with plate compactor at OMC as per drawing and Technical Specification Clause 1903 of specification of Rural Roads.	sqm	587.10	5.49	3223.16
3	Page No. 27, Item No. 10.10 of Schedule of Rates (WBSRDA) <u>Kilometre Stone:-</u> 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 of Rural Roads. <u>Ordinary Kilometre Stone (Precast):-</u> Construction wing will add cost of 0.269 cum M-15 Cement Concrete and 1.88 Kg of Steel reinforcement.	no.	2	1182.17	2364.34
4	Page No. 259 Item No. - 7 PWD(Roads) Schedule Supplying spreading consolidating Laterite chelly (45 to 63 mm insize) in hard crust to requisite thickness (measured after compaction) in layers including screening of bats/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 on 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 metarials and hire and labour charges of all man and machineries and as per specification and direction of Engineer-in-charge but excluding the cost of bats/chelly. <u>Using Laterite metal</u> of size 63 mm - 45 mm for compacted thickness 75 mm.	sqm	1560.00	96.50	150540.00
5	Preparation of As built drawing of this road by Total Station or by campus survey with detail objects / structural submission in A3 Size paper with plastic cover & spiril binding - 2 copies.	no.	1	3000.00	3000.00
Total					177000.00

B.O.Q Group-B (No. of Roads Five)
Estimate for Maintenance of the road

- 1 Name of the Road:- Nonadanga Moram Road to G.P. Office to Panthi**
2 Package No:- WB-1301
3 Name of Block:- Khargram
4 Length of the Road (In Km):- 1.00
5 5 years defect liability period has been over on:- 16.03.2008

Item No.	Description of Items	Unit	Quantity	Rate	Amount
1	Page No. 37, Item No. -15.1 of Schedule of Rates (WBSRDA) Restoration of Rain Cuts:- Restoration or rain cuts with soil, moorum gravel or a mixture of these, clearing the loose soil, benching for 300 mm width laying fresh material in layers not exceeding 250 mm and compaction with plate compactor or power rammer to restore the original alignment, level and slopes as per drawings and technical specifications Clause 1902 of Specification of Rural Roads. A. Manual Means	cum	90.00	75.61	6804.90
2	Page No. 37, Item No. -15.2 of Schedule of Rates (WBSRDA) 1. 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 OMC up to a lead of 1000 m as per Technical Specification Clause 1903 of specification of Rural Roads. Construction wing will add cost of any materials if required for the maintenance.	sqm	400.00	12.28	4912.00
	2. Maintenance of Earthen Shoulders (Stripping of excess soil):- Stripping excess soil from the shoulder surface to achieve the approved level and compacting with plate compactor at OMC as per drawing and Technical Specification Clause 1903 of specification of Rural Roads.	sqm	185.25	5.49	1017.08
3	Page No. 27, Item No. 10.10 of Schedule of Rates (WBSRDA) 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 of Rural Roads. Ordinary Kilometre Stone (Precast):- Construction wing will add cost of 0.269 cum M-15 Cement Concrete and 1.88 Kg of Steel reinforcement.	no.	1	1182.17	1182.17
4	Page No. 27, Item No. 10.16 of Schedule of Rates (WBSRDA) Providing and Fixing 'Logo' of PMGSY Project:- Providing and fixing of typical PMGSY informatory sign board with Logo as per MORD specifications and drawing. Three MS Plates of 1.6 mm thick, top and middle plate duly welded with MS flat iron 25 mm x 5 m size on back on edges. The lower palte will be welded with MS angle iron frame of 25 mm x 25 mm x 5 m. The angle iron frame of the lower most plate and flat iron frame of middle plate will be welded to 2 nos. 75 mm x 75 mm of 12 SWG sheettubes posts duly embedded in cement concrete M-15 grade blocks of 450 mm x 450 mm x 600 mm, 600 mm below ground level. The top most diamond plate will be welded to middle plate by 47 mm x 47 mm of 12 SWG steel palte 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 Construction wing will add cost of 0.252 cum M-15 Cement Concrete	no.	1	6720.29	6720.29
5	Earthwork in excavation for structures to a depth as per drawing / direction and as per clause 305.1 of Specification of Rural Roads, MORD, including cost of bailing out of water, lighting, barricading, guarring etc. complete. Side Drain (90 m length)	cum	39.60	66.72	2642.11
6	Providing plain cement concrete (M-15) in open foundations with Nalhati variety graded stone chips, coarse sand and approved brand of cement complete as per drawing / direction and technical specifications clauses 802, 803, 1202, 1203; including cost of curin.	cum	7.20	3125.19	22501.37
7	Brick Masonary work (1:4) in cement and sand mortar with 1st. Class kiln burnt brick in foundation complete as per drawing, direction & clauses 600, 1202 & 1203 of Specification of Rural Roads, MORD; including cost of curing, staging, bailing out water.	cum	20.25	2703.04	54736.56
8	15 mm thick Plastering with Cement and sand Morter (1:4) on brickwork in substructure as per clauses 613.4 & 1204 of Specification of Rural Roads, MORD; including cost of curing, lighting, barricading, protecting etc.	spm	144.00	79.93	11509.92
9	Neat cement punning on cement plaster surface; including cost of staging, curing, lighting, barricading, protecting etc.	sqm	144.00	20.65	2973.60
10	Preparation of AS built drawing of this road by Total Station or by campus survey with detail objects / structural submission in A3 Size paper with plastic cover & spiril binding - 2 copies.	no.	1	3000.00	3000.00
Total					118000.00

B.O.Q Group-C (No. of Roads Six)

Estimate for Maintenance of the road

- 1 **Name of the Road:-** Amaipara Jiaganj Market to Baranda Shibnagar
 2 **Package No:-** WB-1302
 3 **Name of Block:-** Murshidabad-Jiaganj
 4 **Length of the Road (In Km):-** 1.20
 5 **5 years defect liability period has been over on:-** 03.04.2008

Item No.	Description of Items	Unit	Quantity	Rate	Amount
1	Page No. 37, Item No. -15.3(1) of Schedule of Rates (WBSRDA) Maintenance of Bituminous surface Road:- 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 75 mm (are) BM using 40 mm nominal size coarse aggregate (grade R materials and 3.50% Bitumen (S-65) 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 Clauses 502 and 503 & 504.	Cum	4.00	4499.28	17997.12
2	Page No. 17, Item No. -5.2 of Schedule of Rates (WBSRDA) Tack Coat with Bitumen Emulsion:- Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.20 to 0.25 Kg per sqm on the prepared bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503 of Specification of Rural Roads.	sqm	438.00	7.73	3385.81
3	Page No. 17, Item No. -5.9 of Schedule of Rates(WBSRDA) 20 mm thick Open-Graded Premix Carpet using Bituminous (penetration grade / modified bitumen) Binder:- Providing, laying and rolling of open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates either using penetration grade bitumen or emulsion to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static roller capacity, finished to required level and grades as per Technical Specification Clause 508 of Specification of Rural Roads including lighting, guarding, barricading etc. complete. Case - I By Manual Means (Using Mixall) (II) Bitumen (S-65)	sqm	438.00	114.29	50056.94
4	Page No. 17, Item No. -5.12 of Schedule of Rates (WBSRDA) Seal Coat Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type A, Type B and Type C as per Technical Specification Clause 510 of Specification of Rural Roads. A. By Manual Means (Using Mixall) Case - II : Type B (II) Bitumen (S-65)	sqm	438.00	38.52	16869.86
5	Page No. 37, Item No. -15.1 of Schedule of Rates (WBSRDA) Restoration of Rain Cuts:- Restoration or rain cuts with soil, moorum gravel or a mixture of these, clearing the loose soil, benching for 300 mm width laying fresh material in layers not exceeding 250 mm and compaction with plate compactor or power rammer to restore the original alignment, level and slopes as per drawings and technical specifications Clause 1902 of Specification of Rural Roads. A. Manual Means	cum	100.00	75.61	7561.00
6	Page No. 37, Item No. -15.2 of Schedule of Rates (WBSRDA) 1. 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 OMC up to a lead of 1000 m as per Technical Specification Clause 1903 of specification of Rural Roads. Construction wing will add cost of any materials if required for the maintenance.	sqm	500.00	12.28	6140.00
	2. Maintenance of Earthen Shoulders (Stripping of excess soil):- Stripping excess soil from the shoulder surface to achieve the approved level and compacting with plate compactor at OMC as per drawing and Technical Specification Clause 1903 of specification of Rural Roads.	sqm	500.00	5.49	2745.00
7	Page No. 27, Item No. 10.10 of Schedule of Rates (WBSRDA) 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 of Rural Roads. Ordinary Kilometre Stone (Precast):- Construction wing will add cost of 0.269 cum M-15 Cement Concrete and 1.88 Kg of Steel reinforcement.	no.	3	1182.17	3546.51
8	Page No. 27, Item No. 10.16 of Schedule of Rates (WBSRDA) Providing and Fixing 'Loge' of PMGSY Project:- Providing and fixing of typical PMGSY informatory sign board with Logo as per MORD specifications and drawing. Three MS Plates of 1.6 mm thick, top and middle plate duly welded with MS flat iron 25 mm x 5 m size on back on edges. The lower palte will be welded with MS angle iron frame of 25 mm x 25 mm x 5 m. The angle iron frame of the lower most plate and flat iron frame of middle plate will be welded to 2 nos. 75 mm x 75 mm of 12 SWG sheettubes posts duly embedded in cement concrete M-15 grade blocks of 450 mm x 450 mm x 600 mm, 600 mm below ground level. The top most diamond plate will be welded to middle plate by 47 mm x 47 mm of 12 SWG steel palte 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 Construction wing will add cost of 0.252 cum M-15 Cement Concrete	no.	1	6720.29	6720.29
9	Preparation of As built drawing of this road by Total Station or by campus survey with detail objects / structual submission in A3 Size paper with plastic cover & spiril binding - 2 copies.	no.	1	3000.00	3000.00
Total					118022.54

B.O.Q Group-C (No. of Roads Six)**Estimate for Maintenance of the road**

- 1 **Name of the Road:-** Bagiapara Pry. School to Rasulpur Bagirapara Bus stand
- 2 **Package No:-** WB-1302
- 3 **Name of Block:-** Nabagram
- 4 **Length of the Road (In Km.):-** 1.40
- 5 **5 years defect liability period has been over on:-** 11.04.2008

Item No.	Description of Items	Unit	Quantity	Rate	Amount
1	Page No. 37, Item No. -15.1 of Schedule of Rates (WBSRDA) <u>Restoration of Rain Cuts:-</u> Restoration or rain cuts with soil, moorum gravel or a mixture of these, clearing the loose soil, benching for 300 mm width laying fresh material in layers not exceeding 250 mm and compaction with plate compactor or power rammer to restore the original alignment, level and slopes as per drawings and technical specifications Clause 1902 of Specification of Rural Roads. A. Manual Means	cum	155.00	75.61	11719.55
2	Page No. 37, Item No. -15.2 of Schedule of Rates (WBSRDA) <u>1. Maintenance of Earthen Shoulders (Filling with selected soil):-</u> 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 OMC up to a lead of 1000 m as per Technical Specification Clause 1903 of specification of Rural Roads. Construction wing will add cost of any materials if required for the maintenance.	sqm	290.00	12.28	3561.20
	<u>2. Maintenance of Earthen Shoulders (Stripping of excess soil):-</u> Stripping excess soil from the shoulder surface to achieve the approved level and compacting with plate compactor at OMC as per drawing and Technical Specification Clause 1903 of specification of Rural Roads.	sqm	590.00	5.49	3239.10
3	Page No. 27, Item No. 10.10 of Schedule of Rates (WBSRDA) <u>Kilometre Stone :-</u> 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 of Rural Roads. <u>Ordinary Kilometre Stone (Percast):-</u> Construction wing will add cost of 0.269 cum M15 cement concrete and 1.88 kg of steel reinforcement.	no.	2	1182.17	2364.34
4	Page No. 259 Item No. - 7 PWD(Roads) Schedule Supplying spreading consolidating Laterite chelly (45 to 63 mm insize) in hard crust to requisite thickness (measured after compaction) in layers including screening of bats/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 on one metre width on each side where necessary to protect eadges and preparing the bed by necessary cutting or filling and rolling all complete including the cost of all metaterials and hire and labour charges of all man and machineries and as per specification and direction of Engineer-in-charge but excluding the cost of bats/chelly. <u>Using Laterite metal</u> of size 63 mm - 45 mm for compacted thickness 75 mm.	sqm	1395.00	101.34	141369.30
5	Preparation of As built drawing of this road by Total Station or by campus survey with detail objects / structural submission in A3 Size paper with plastic cover & spiril binding - 2 copies.	no.	1	3000.00	3000.00
Total					165250.34

B.O.Q Group-C (No. of Roads Six)

Estimate for Maintenance of the road

- 1 **Name of the Road:-** Balaspur to Milkidangapara
- 2 **Package No:-** WB-1302
- 3 **Name of Block:-** Nabagram
- 4 **Length of the Road (In Km):-** 1.10
- 5 **5 years defect liability period has been over on:-** 04.04.2008

Item No.	Description of Items	Unit	Quantity	Rate	Amount
1	Page No. 17, Item No. -5.2 of Schedule of Rates (WBSRDA) <u>Tack Coat with Bitumen Emulsion</u> :- Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.20 to 0.25 Kg per sqm on the prepared bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503 of Specification of Rural Roads.	sqm	550.00	7.75	4261.37
2	Page No. 17, Item No. -5.9 of Schedule of Rates(WBSRDA) <u>20 mm thick Open-Graded Premix Carpet using Bituminous (penetration grade / modified bitumen) Binder</u> :- Providing, laying and rolling of open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates either using penetration grade bitumen or emulsion to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static roller capacity, finished to required level and grades as per Technical Specification Clause 508 of Specification of Rural Roads including lighting, guarding, barricading etc. complete. Case - I By Manual Means (Using Mixall) (II) Bitumen (S-65)	sqm	550.00	108.88	59881.81
3	Page No. 17, Item No. -5.12 of Schedule of Rates (WBSRDA) <u>Seal Coat</u> Providing and laying seal coat seaing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type A, Type B and Type C as per Technical Specification Clause 510 of Specification of Rural Roads. A. By Manual Means (Using Mixall) Case - II : Type B (II) Bitumen (S-65)	sqm	550.00	37.33	20528.84
4	Page No. 37, Item No. -15.1 of Schedule of Rates (WBSRDA) <u>Restoration of Rain Cuts</u> :- Restoration or rain cuts with soil, moorum gravel or a mixture of these, clearing the loose soil, benching for 300 mm width laying fresh material in layers not exceeding 250 mm and compaction with plate compactor or power rammer to restore the original alignment, level and slopes as per drawings and technical specifications Clause 1902 of Specification of Rural Roads. A. Manual Means	cum	296.00	75.61	22380.56
5	Page No. 37, Item No. -15.2 of Schedule of Rates (WBSRDA) 1. <u>Maintenance of Earthen Shoulders (Filling with selected soil)</u> :- 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 OMC up to a lead of 1000 m as per Technical Specification Clause 1903 of specification of Rural Roads. Construction wing will add cost of any materials if required for the maintenance.	sqm	275.00	12.28	3377.00
	2. <u>Maintenance of Earthen Shoulders (Stripping of excess soil)</u> :- Stripping excess soil from the shoulder surface to achieve the approved level and compacting with plate compactor at OMC as per drawing and Technical Specification Clause 1903 of specification of Rural Roads.	sqm	410.00	5.49	2250.90
6	Page No. 27, Item No. 10.10 of Schedule of Rates (WBSRDA) <u>Kilometre Stone</u> :- 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 Tenchnical Specification Clause 1703 of Specification of Rural Roads. <u>Ordinary Kilometre Stone (Precast)</u> :- Construction wing will add cost of 0.269 cum M-15 Cement Concrete and 1.88 Kg of Steel reinforcement.	no.	2	1182.17	2364.34
7	Preparation of As built drawing of this road by Total Station or by campus survey with detail objects / structural submission in A3 Size paper with plastic cover & spiril binding - 2 copies.	no.	1	3000.00	3000.00
Total					118044.82

B.O.Q Group-C (No. of Roads Six)
Estimate for Maintenance of the road

- 1 **Name of the Road:-** Jiaganj Market PWD road to Faltala Busstand
2 **Package No:-** WB-1302
3 **Name of Block:-** Murshidabad-Jiaganj
4 **Length of the Road (In Km):-** 1.00
5 **5 years defect liability period has been over on:-** 03.04.2008

Item No.	Description of Items	Unit	Quantity	Rate	Amount
1	Page No. 37, Item No. -15.3(1) of Schedule of Rates (WBSRDA) Maintenance of Bituminous surface Road:- 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 75 mm (are) BM using 40 mm nominal size coarse aggregate (grade R materials and 3.50% Bitumen (S-65) 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 Clauses 502 and 503 & 504.	Cum	6.00	4499.28	26995.68
2	Page No. 17, Item No. -5.2 of Schedule of Rates (WBSRDA) Tack Coat with Bitumen Emulsion:- Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.20 to 0.25 Kg per sqm on the prepared bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503 of Specification of Rural Roads.	sqm	446.00	7.73	3447.66
3	Page No. 17, Item No. -5.9 of Schedule of Rates(WBSRDA) 20 mm thick Open-Graded Premix Carpet using Bituminous (penetration grade / modified bitumen) Binder:- Providing, laying and rolling of open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates either using penetration grade bitumen or emulsion to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static roller capacity, finished to required level and grades as per Technical Specification Clause 508 of Specification of Rural Roads including lighting, guarding, barricading etc. complete. Case - I By Manual Means (Using Mixall) (II) Bitumen (S-65)	sqm	446.00	114.29	50971.22
4	Page No. 17, Item No. -5.12 of Schedule of Rates (WBSRDA) Seal Coat Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type A, Type B and Type C as per Technical Specification Clause 510 of Specification of Rural Roads. A. By Manual Means (Using Mixall) Case - II : Type B (II) Bitumen (S-65)	sqm	446.00	38.52	17177.98
5	Page No. 37, Item No. -15.2 of Schedule of Rates (WBSRDA) 1. 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 OMC up to a lead of 1000 m as per Technical Specification Clause 1903 of specification of Rural Roads. Construction wing will add cost of any materials if required for the maintenance.	sqm	500.00	12.28	6140.00
6	Page No. 27, Item No. 10.10 of Schedule of Rates (WBSRDA) 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 of Rural Roads. Ordinary Kilometre Stone (Precast):- Construction wing will add cost of 0.269 cum M-15 Cement Concrete and 1.88 Kg of Steel reinforcement.	no.	3	1182.17	3546.51
7	Page No. 27, Item No. 10.16 of Schedule of Rates (WBSRDA) Providing and Fixing 'Logo' of PMGSY Project:- Providing and fixing of typical PMGSY informatory sign board with Logo as per MORD specifications and drawing. Three MS Plates of 1.6 mm thick, top and middle plate duly welded with MS flat iron 25 mm x 5 m size on back on edges. The lower palte will be welded with MS angle iron frame of 25 mm x 25 mm x 5 m. The angle iron frame of the lower most plate and flat iron frame of middle plate will be welded to 2 nos. 75 mm x 75 mm of 12 SWG sheettubes posts duly embedded in cement concrete M-15 grade blocks of 450 mm x 450 mm x 600 mm, 600 mm below ground level. The top most diamond plate will be welded to middle plate by 47 mm x 47 mm of 12 SWG steel palte 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 Construction wing will add cost of 0.252 cum M-15 Cement Concrete	no.	1	6720.29	6720.29
8	Preparation of As built drawing of this road by Total Station or by campus survey with detail objects / structural submission in A3 Size paper with plastic cover & spiril binding - 2 copies.	no.	1	3000.00	3000.00
Total					117999.35

B.O.Q Group-C (No. of Roads Six)

Estimate for Maintenance of the road

- 1 **Name of the Road:-** Reanpur Khmarpara to Panishala Moorum Road
- 2 **Package No:-** WB-1302
- 3 **Name of Block:-** Lalgola
- 4 **Length of the Road (In Km):-** 1.00
- 5 **5 years defect liability period has been over on:-** 27.04.2008

Item No.	Description of Items	Unit	Quantity	Rate	Amount
1	Page No. 264, Item No. -16 of P.W. (Roads) Schedule Patching of potholes by draining water cutting the pothole area to rectangular shape with vertical edges, removing all loose materials, screening and stacking the same for reuse with new materials as per requirement, filling the pothole area with additional volume of crushed stone materials (Gr.-III) of Pakur variety etc. and screenings as applicable, and compacting the same with static roller as per Water Bound Macadam Specification, including cost of all materials and machineries but excluding the cost of coarse aggregates and screening.	Cum	8.00	1679.11	13432.85
2	Page No. 17, Item No. -5.1 of Schedule of Rates (WBSRDA) Prime Coat with Bitumen Emulsion:- Providing and applying primer coat with bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70-1.0 Kg/sqm using mechanical means as per Technical Specification Clause 502 of Specification of Rural Roads. Construction will add cost and carriage of Bitumen Emulsion of approved quality @ 0.85 Kg/sqm.	sqm	106.00	27.64	2930.12
3	Page No. 17, Item No. -5.2 of Schedule of Rates (WBSRDA) Tack Coat with Bitumen Emulsion:- Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.20 to 0.25 Kg per sqm on the prepared bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503 of Specification of Rural Roads.	sqm	464.00	7.77	3605.23
4	Page No. 17, Item No. -5.9 of Schedule of Rates(WBSRDA) 20 mm thick Open-Graded Premix Carpet using Bituminous (penetration grade / modified bitumen) Binder:- Providing, laying and rolling of open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates either using penetration grade bitumen or emulsion to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static roller capacity, finished to required level and grades as per Technical Specification Clause 508 of Specification of Rural Roads including lighting, guarding, barricading etc. complete. Case - I By Manual Means (Using Mixall) (I) Bitumen (S-65)	sqm	464.00	114.71	53226.57
5	Page No. 17, Item No. -5.12 of Schedule of Rates (WBSRDA) Seal Coat Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type A, Type B and Type C as per Technical Specification Clause 510 of Specification of Rural Roads. A. By Manual Means (Using Mixall) Case - II : Type B (I) Bitumen (S-65)	sqm	464.00	38.66	17936.77
6	Page No. 37, Item No. -15.1 of Schedule of Rates (WBSRDA) Restoration of Rain Cuts:- Restoration or rain cuts with soil, moorum gravel or a mixture of these, clearing the loose soil, benching for 300 mm width laying fresh material in layers not exceeding 250 mm and compaction with plate compactor or power rammer to restore the original alignment, level and slopes as per drawings and technical specifications Clause 1902 of Specification of Rural Roads. A. Manual Means	cum	100.00	75.61	7561.00
7	Page No. 37, Item No. -15.2 of Schedule of Rates (WBSRDA) 1. 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 OMC up to a lead of 1000 m as per Technical Specification Clause 1903 of specification of Rural Roads. Construction wing will add cost of any materials if required for the maintenance.	sqm	492.00	12.28	6041.76
8	Page No. 27, Item No. 10.10 of Schedule of Rates (WBSRDA) 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 of Rural Roads. Ordinary Kilometre Stone (Percast):- Construction wing will add cost of 0.269 cum M15 cement concrete and 1.88 kg of steel reinforcement.	no.	3	1182.17	3546.51
9	Page No. 27, Item No. 10.16 of Schedule of Rates (WBSRDA) Providing and Fixing 'Logo' of PMGSY Project :- Providing and fixing of typical PMGSY informative sign board with Logo as per MORD specifications and drawing. Three MS Plates of 1.6 mm thick, top and middle plate duly welded with MS flat iron 25 mm x 5 m size on back on edges. The lower plate will be welded with MS angle iron frame of 25 mm x 25 mm x 5 m. The angle iron frame of the lower most plate and flat iron frame of middle plate will be welded to 2 nos. 75 mm x 75 mm of 12 SWG sheettubes posts duly embedded in cement concrete M15 grade blocks of 450 mm x 450 mm x 600 mm, 600 mm below ground level. The top most diamond plate will be welded to middle plate by 47 mm x 47 mm 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 construction wing will add cost of 0.252 cum M15 cement concrete.	no.	1	6720.29	6720.29
10	Preparation of As built drawing of this road by Total Station or by campus survey with detail objects / structural submission in A3 Size paper with plastic cover & spiral binding - 2 copies.	no.	1	3000.00	3000.00
Total					118001.11

B.O.Q Group-C (No. of Roads Six)

Estimate for Maintenance of the road

- 1 **Name of the Road:-** Santala Gopal Das House to Gopal Ghosh Sweet
- 2 **Package No:-** WB-1302
- 3 **Name of Block:-** Lalgola
- 4 **Length of the Road (In Km):-** 1.00
- 5 **5 years defect liability period has been over on:-** 21.04.2008

Item No.	Description of Items	Unit	Quantity	Rate	Amount
1	Page No. 264, Item No. -16 of P.W. (Roads) Schedule <u>Patching of potholes</u> by draining water cutting the pothole area to rectangular shape with vertical edges, removing all loose materials, screening and stacking the same for reuse with new materials as per requirement, filling the pothole area with additional volume of crushed stone materials (Gr.-III) of Pakur variety etc. and screenings as applicable, and compacting the same with static roller as per Water Bound Macadam Specification, including cost of all materials and machineries but excluding the cost of coarse aggregates and screening.	Cum	20.00	1679.11	33582.13
2	Page No. 17, Item No. -5.1 of Schedule of Rates (WBSRDA) <u>Prime Coat with Bitumen Emulsion:-</u> Providing and applying primer coat with bitumen emulsion (SS-1) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70-1.0 Kg/sqm using mechanical means as per Technical Specification Clause 502 of Specification of Rural Roads. Construction will add cost and carriage of Bitumen Emulsion of approved quality @ 0.85 Kg/sqm.	sqm	265.00	27.64	7325.31
3	Page No. 17, Item No. -5.2 of Schedule of Rates (WBSRDA) <u>Tack Coat with Bitumen Emulsion:-</u> Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.20 to 0.25 Kg per sqm on the prepared bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503 of Specification of Rural Roads.	sqm	311.00	7.77	2416.44
4	Page No. 17, Item No. -5.9 of Schedule of Rates (WBSRDA) <u>20 mm thick Open-Graded Premix Carpet using Bituminous (penetration grade / modified bitumen) Binder:-</u> Providing, laying and rolling of open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates either using penetration grade bitumen or emulsion to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static roller capacity, finished to required level and grades as per Technical Specification Clause 508 of Specification of Rural Roads including lighting, guarding, barricading etc. complete. Case - I By Manual Means (Using Mixall) (ii) Bitumen (S-65)	sqm	311.00	114.71	35675.57
5	Page No. 17, Item No. -5.12 of Schedule of Rates (WBSRDA) <u>Seal Coat</u> Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type A, Type B and Type C as per Technical Specification Clause 510 of Specification of Rural Roads. A. By Manual Means (Using Mixall) Case - II : Type B (ii) Bitumen (S-65)	sqm	311.00	38.66	12022.28
6	Page No. 37, Item No. -15.1 of Schedule of Rates (WBSRDA) <u>Restoration of Rain Cuts:-</u> Restoration or rain cuts with soil, moorum gravel or a mixture of these, clearing the loose soil, benching for 300 mm width laying fresh material in layers not exceeding 250 mm and compaction with plate compactor or power rammer to restore the original alignment, level and slopes as per drawings and technical specifications Clause 1902 of Specification of Rural Roads. A. Manual Means	cum	100.00	75.61	7561.00
7	Page No. 37, Item No. -15.2 of Schedule of Rates (WBSRDA) <u>1. Maintenance of Earthen Shoulders (Filling with selected soil):-</u> 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 OMC up to a lead of 1000 m as per Technical Specification Clause 1903 of specification of Rural Roads. Construction wing will add cost of any materials if required for the maintenance.	sqm	500.00	12.28	6140.00
8	Page No. 27, Item No. 10.10 of Schedule of Rates (WBSRDA) <u>Kilometre Stone :-</u> 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 of Rural Roads. <u>Ordinary Kilometre Stone (Percast):-</u> Construction wing will add cost of 0.269 cum M15 cement concrete and 1.88 kg of steel reinforcement.	no.	3	1182.17	3546.51
9	Page No. 27, Item No. 10.16 of Schedule of Rates (WBSRDA) <u>Providing and Fixing 'Logo' of PMGSY Project :-</u> Providing and fixing of typical PMGSY informative sign board with Logo as per MORD specifications and drawing. Three MS Plates of 1.6 mm thick, top and middle plate duly welded with MS flat iron 25 mm x 5 m size on back on edges. The lower plate will be welded with MS angle iron frame of 25 mm x 25 mm x 5 m. The angle iron frame of the lower most plate and flat iron frame of middle plate will be welded to 2 nos. 75 mm x 75 mm of 12 SWG sheettubes posts duly embedded in cement concrete M15 grade blocks of 450 mm x 450 mm x 600 mm, 600 mm below ground level. The top most diamond plate will be welded to middle plate by 47 mm x 47 mm 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 construction wing will add cost of 0.252 cum M15 cement concrete.	no.	1	6720.29	6720.29
10	Preparation of As built drawing of this road by Total Station or by campus survey with detail objects / structural submission in A3 Size paper with plastic cover & spiral binding - 2 copies.	no.	1	3000.00	3000.00
Total					117989.52

B.O.Q Group-D (No. of Roads Four)
Estimate for Maintenance of the road

- 1 **Name of the Road:-** Rameswarbati to Block Office
2 **Package No:-** WB-1302
3 **Name of Block:-** Bhagawangola I
4 **Length of the Road (In Km):-** 1.00
5 **5 years defect liability period has been over on:-** 11.10.2007

Item No.	Description of Items	Unit	Quantity	Rate	Amount
1	Page No. 37, Item No. -15.3(1) of Schedule of Rates (WBSRDA) Maintenance of Bituminous surface Road:- 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 75 mm (are) BM using 40 mm nominal size coarse aggregate (grade R materials and 3.50% Bitumen (S-65) 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 Clauses 502 and 503 & 504.	Cum	4.00	4605.84	18423.35
2	Page No. 17, Item No. -5.2 of Schedule of Rates (WBSRDA) Tack Coat with Bitumen Emulsion:- Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.20 to 0.25 Kg per sqm on the prepared bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503 of Specification of Rural Roads.	sqm	475.00	7.77	3689.21
3	Page No. 17, Item No. -5.9 of Schedule of Rates(WBSRDA) 20 mm thick Open-Graded Premix Carpet using Bituminous (penetration grade / modified bitumen) Binder:- Providing, laying and rolling of open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates either using penetration grade bitumen or emulsion to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static roller capacity, finished to required level and grades as per Technical Specification Clause 508 of Specification of Rural Roads including lighting, guarding, barricading etc. complete. Case - I By Manual Means (Using Mixall) (II) Bitumen (S-65)	sqm	475.00	116.35	55267.59
4	Page No. 17, Item No. -5.12 of Schedule of Rates (WBSRDA) Seal Coat Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type A, Type B and Type C as per Technical Specification Clause 510 of Specification of Rural Roads. A. By Manual Means (Using Mixall) Case - II : Type B (II) Bitumen (S-65)	sqm	475.00	39.02	18532.80
5	Page No. 37, Item No. -15.2 of Schedule of Rates (WBSRDA) 1. 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 OMC up to a lead of 1000 m as per Technical Specification Clause 1903 of specification of Rural Roads. Construction wing will add cost of any materials if required for the maintenance.	sqm	500.00	12.28	6140.00
	2. Maintenance of Earthen Shoulders (Stripping of excess soil):- Stripping excess soil from the shoulder surface to achieve the approved level and compacting with plate compactor at OMC as per drawing and Technical Specification Clause 1903 of specification of Rural Roads.	sqm	500.00	5.49	2745.00
6	Page No. 27, Item No. 10.10 of Schedule of Rates (WBSRDA) 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 of Rural Roads. Ordinary Kilometre Stone (Precast):- Construction wing will add cost of 0.269 cum M-15 Cement Concrete and 1.88 Kg of Steel reinforcement.	no.	3	1182.17	3546.51
7	Page No. 27, Item No. 10.16 of Schedule of Rates (WBSRDA) Providing and Fixing 'Logo' of PMGSY Project:- Providing and fixing of typical PMGSY informatory sign board with Logo as per MORD specifications and drawing. Three MS Plates of 1.6 mm thick, top and middle plate duly welded with MS flat iron 25 mm x 5 m size on back on edges. The lower palte will be welded with MS angle iron frame of 25 mm x 25 mm x 5 m. The angle iron frame of the lower most plate and flat iron frame of middle plate will be welded to 2 nos. 75 mm x 75 mm of 12 SWG sheettubes posts duly embedded in cement concrete M-15 grade blocks of 450 mm x 450 mm x 600 mm, 600 mm below ground level. The top most diamond plate will be welded to middle plate by 47 mm x 47 mm of 12 SWG steel palte 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 Construction wing will add cost of 0.252 cum M-15 Cement Concrete	no.	1	6720.29	6720.29
8	Preparation of As built drawing of this road by Total Station or by campus survey with detail objects / structural submission in A3 Size paper with plastic cover & spiril binding - 2 copies.	no.	1	3000.00	3000.00
Total					118064.76

B.O.Q Group-D (No. of Roads Four)
Estimate for Maintenance of the road

- 1 **Name of the Road:-** Sekherpara to Nashipur G.P. Office
- 2 **Package No:-** WB-1302
- 3 **Name of Block:-** Bhagawangola-II
- 4 **Length of the Road (In Km):-** 1.15
- 5 **5 years defect liability period has been over on:-** 21.08.2008

Item No.	Description of Items	Unit	Quantity	Rate	Amount
1	Page No. 37, Item No. -15.3(1) of Schedule of Rates (WBSRDA) Maintenance of Bituminous surface Road:- 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 75 mm (are) BM using 40 mm nominal size coarse aggregate (grade R materials and 3.50% Bitumen (S-65) 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 Clauses 502 and 503 & 504.	Cum	5.00	4792.88	23964.40
2	Page No. 17, Item No. -5.2 of Schedule of Rates (WBSRDA) Tack Coat with Bitumen Emulsion:- Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.20 to 0.25 Kg per sqm on the prepared bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503 of Specification of Rural Roads.	sqm	390.00	7.77	3030.26
3	Page No. 17, Item No. -5.9 of Schedule of Rates(WBSRDA) 20 mm thick Open-Graded Premix Carpet using Bituminous (penetration grade / modified bitumen) Binder:- Providing, laying and rolling of open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates either using penetration grade bitumen or emulsion to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static roller capacity, finished to required level and grades as per Technical Specification Clause 508 of Specification of Rural Roads including lighting, guarding, barricading etc. complete. Case - I By Manual Means (Using Mixall) (II) Bitumen (S-65)	sqm	390.00	119.93	46773.44
4	Page No. 17, Item No. -5.12 of Schedule of Rates (WBSRDA) Seal Coat Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type A, Type B and Type C as per Technical Specification Clause 510 of Specification of Rural Roads. A. By Manual Means (Using Mixall) Case - II : Type B (II) Bitumen (S-65)	sqm	390.00	39.82	15528.52
5	Page No. 37, Item No. -15.1 of Schedule of Rates (WBSRDA) Restoration of Rain Cuts:- Restoration or rain cuts with soil, moorum gravel or a mixture of these, clearing the loose soil, benching for 300 mm width laying fresh material in layers not exceeding 250 mm and compaction with plate compactor or power rammer to restore the original alignment, level and slopes as per drawings and technical specifications Clause 1902 of Specification of Rural Roads. A. Manual Means	cum	110.00	75.61	8317.10
6	Page No. 37, Item No. -15.2 of Schedule of Rates (WBSRDA) 1. 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 OMC up to a lead of 1000 m as per Technical Specification Clause 1903 of specification of Rural Roads. Construction wing will add cost of any materials if required for the maintenance.	sqm	450.00	12.28	5526.00
	2. Maintenance of Earthen Shoulders (Stripping of excess soil):- Stripping excess soil from the shoulder surface to achieve the approved level and compacting with plate compactor at OMC as per drawing and Technical Specification Clause 1903 of specification of Rural Roads.	sqm	506.00	5.49	2777.94
7	Page No. 27, Item No. 10.10 of Schedule of Rates (WBSRDA) 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 of Rural Roads. Ordinary Kilometre Stone (Precast):- Construction wing will add cost of 0.269 cum M-15 Cement Concrete and 1.88 Kq of Steel reinforcement.	no.	2	1182.17	2364.34
8	Page No. 27, Item No. 10.16 of Schedule of Rates (WBSRDA) Providing and Fixing 'Logo' of PMGSY Project:- Providing and fixing of typical PMGSY informatory sign board with Logo as per MORD specifications and drawing. Three MS Plates of 1.6 mm thick, top and middle plate duly welded with MS flat iron 25 mm x 5 m size on back on edges. The lower palte will be welded with MS angle iron frame of 25 mm x 25 mm x 5 m. The angle iron frame of the lower most plate and flat iron frame of middle plate will be welded to 2 nos. 75 mm x 75 mm of 12 SWG sheettubes posts duly embedded in cement concrete M-15 grade blocks of 450 mm x 450 mm x 600 mm, 600 mm below ground level. The top most diamond plate will be welded to middle plate by 47 mm x 47 mm of 12 SWG steel palte 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 Construction wing will add cost of 0.252 cum M-15 Cement Concrete	no.	1	6720.29	6720.29
9	Preparation of As built drawing of this road by Total Station or by campus survey with detail objects / structural submission in A3 Size paper with plastic cover & spiril binding - 2 copies.	no.	1	3000.00	3000.00
Total					118002.30

B.O.Q Group-D (No. of Roads Four)

Estimate for Maintenance of the road for :-

- 1 **Name of the Road:-** Amaipara Jiaganj Market to Baranda Shibnagar
- 2 **Package No:-** WB-1302
- 3 **Name of Block:-** Murshidabad-Jiaganj
- 4 **Length of the Road (In Km):-** 1.20
- 5 **5 years defect liability period has been over on:-** 03.04.2008

Item No.	Description of Items	Unit	Quantity	Rate	Amount
1	Page No. 37, Item No. -15.3(1) of Schedule of Rates (WBSRDA) Maintenance of Bituminous surface Road:- 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 75 mm (are) BM using 40 mm nominal size coarse aggregate (grade R materials and 3.50% Bitumen (S-65) 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 Clauses 502 and 503 & 504.	Cum	5.50	4605.84	25332.11
2	Page No. 17, Item No. -5.2 of Schedule of Rates (WBSRDA) Tack Coat with Bitumen Emulsion:- Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.20 to 0.25 Kg per sqm on the prepared bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503 of Specification of Rural Roads.	sqm	386.00	7.77	2997.97
3	Page No. 17, Item No. -5.9 of Schedule of Rates(WBSRDA) 20 mm thick Open-Graded Premix Carpet using Bituminous (penetration grade / modified bitumen) Binder:- Providing, laying and rolling of open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates either using penetration grade bitumen or emulsion to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static roller capacity, finished to required level and grades as per Technical Specification Clause 508 of Specification of Rural Roads including lighting, guarding, barricading etc. complete. Case - I By Manual Means (Using Mixall) (II) Bitumen (S-65)	sqm	386.00	116.35	44912.19
4	Page No. 17, Item No. -5.12 of Schedule of Rates (WBSRDA) Seal Coat Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type A, Type B and Type C as per Technical Specification Clause 510 of Specification of Rural Roads. A. By Manual Means (Using Mixall) Case - II : Type B (II) Bitumen (S-65)	sqm	386.00	39.02	15060.34
5	Page No. 37, Item No. -15.1 of Schedule of Rates (WBSRDA) Restoration of Rain Cuts:- Restoration or rain cuts with soil, moorum gravel or a mixture of these, clearing the loose soil, benching for 300 mm width laying fresh material in layers not exceeding 250 mm and compaction with plate compactor or power rammer to restore the original alignment, level and slopes as per drawings and technical specifications Clause 1902 of Specification of Rural Roads. A. Manual Means	cum	100.00	75.61	7561.00
6	Page No. 37, Item No. -15.2 of Schedule of Rates (WBSRDA) 1. 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 OMC up to a lead of 1000 m as per Technical Specification Clause 1903 of specification of Rural Roads. Construction wing will add cost of any materials if required for the maintenance.	sqm	500.00	12.28	6140.00
	2. Maintenance of Earthen Shoulders (Stripping of excess soil):- Stripping excess soil from the shoulder surface to achieve the approved level and compacting with plate compactor at OMC as per drawing and Technical Specification Clause 1903 of specification of Rural Roads.	sqm	500.00	5.49	2745.00
7	Page No. 27, Item No. 10.10 of Schedule of Rates (WBSRDA) 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 of Rural Roads. Ordinary Kilometre Stone (Precast):- Construction wing will add cost of 0.269 cum M-15 Cement Concrete and 1.88 Kg of Steel reinforcement.	no.	3	1182.17	3546.51
8	Page No. 27, Item No. 10.16 of Schedule of Rates (WBSRDA) Providing and Fixing 'Logo' of PMGSY Project:- Providing and fixing of typical PMGSY informatory sign board with Logo as per MORD specifications and drawing. Three MS Plates of 1.6 mm thick, top and middle plate duly welded with MS flat iron 25 mm x 5 m size on back on edges. The lower palte will be welded with MS angle iron frame of 25 mm x 25 mm x 5 m. The angle iron frame of the lower most plate and flat iron frame of middle plate will be welded to 2 nos. 75 mm x 75 mm of 12 SWG sheettubes posts duly embedded in cement concrete M-15 grade blocks of 450 mm x 450 mm x 600 mm, 600 mm below ground level. The top most diamond plate will be welded to middle plate by 47 mm x 47 mm of 12 SWG steel palte 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 Construction wing will add cost of 0.252 cum M-15 Cement Concrete	no.	1	6720.29	6720.29
9	Preparation of As built drawing of this road by Total Station or by campus survey with detail objects / structural submission in A3 Size paper with plastic cover & spiril binding - 2 copies.	no.	1	3000.00	3000.00
Total					118015.41

B.O.Q Group-D (No. of Roads Four)

Estimate for Maintenance of the road

- 1 **Name of the Road:-** Amaipara Jiaganj Market to Baranda Shibnagar
- 2 **Package No:-** WB-1302
- 3 **Name of Block:-** Murshidabad-Jiaganj
- 4 **Length of the Road (In Km):-** 1.20
- 5 **5 years defect liability period has been over on:-** 03.04.2008

Item No.	Description of Items	Unit	Quantity	Rate	Amount
1	Page No. 37, Item No. -15.3(1) of Schedule of Rates (WBSRDA) Maintenance of Bituminous surface Road:- 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 75 mm (are) BM using 40 mm nominal size coarse aggregate (grade R materials and 3.50% Bitumen (S-65) 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 Clauses 502 and 503 & 504.	Cum	5.00	4792.88	23964.40
2	Page No. 17, Item No. -5.2 of Schedule of Rates (WBSRDA) Tack Coat with Bitumen Emulsion:- Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.20 to 0.25 Kg per sqm on the prepared bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503 of Specification of Rural Roads.	sqm	400.00	7.77	3107.96
3	Page No. 17, Item No. -5.9 of Schedule of Rates(WBSRDA) 20 mm thick Open-Graded Premix Carpet using Bituminous (penetration grade / modified bitumen) Binder:- Providing, laying and rolling of open-graded premix carpet of 20 mm thickness composed of 13.2 mm to 5.6 mm aggregates either using penetration grade bitumen or emulsion to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN static roller capacity, finished to required level and grades as per Technical Specification Clause 508 of Specification of Rural Roads including lighting, guarding, barricading etc. complete. Case - I By Manual Means (Using Mixall) (II) Bitumen (S-65)	sqm	400.00	119.93	47972.76
4	Page No. 17, Item No. -5.12 of Schedule of Rates (WBSRDA) Seal Coat Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type A, Type B and Type C as per Technical Specification Clause 510 of Specification of Rural Roads. A. By Manual Means (Using Mixall) Case - II : Type B (II) Bitumen (S-65)	sqm	400.00	39.82	15926.69
5	Page No. 37, Item No. -15.1 of Schedule of Rates (WBSRDA) Restoration of Rain Cuts:- Restoration or rain cuts with soil, moorum gravel or a mixture of these, clearing the loose soil, benching for 300 mm width laying fresh material in layers not exceeding 250 mm and compaction with plate compactor or power rammer to restore the original alignment, level and slopes as per drawings and technical specifications Clause 1902 of Specification of Rural Roads. A. Manual Means	cum	100.00	75.61	7561.00
6	Page No. 37, Item No. -15.2 of Schedule of Rates (WBSRDA) 1. 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 OMC up to a lead of 1000 m as per Technical Specification Clause 1903 of specification of Rural Roads. Construction wing will add cost of any materials if required for the maintenance.	sqm	375.00	12.28	4605.00
	2. Maintenance of Earthen Shoulders (Stripping of excess soil):- Stripping excess soil from the shoulder surface to achieve the approved level and compacting with plate compactor at OMC as per drawing and Technical Specification Clause 1903 of specification of Rural Roads.	sqm	506.00	5.49	2777.94
7	Page No. 27, Item No. 10.10 of Schedule of Rates (WBSRDA) 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 of Rural Roads. Ordinary Kilometre Stone (Precast):- Construction wing will add cost of 0.269 cum M-15 Cement Concrete and 1.88 Kg of Steel reinforcement.	no.	2	1182.17	2364.34
8	Page No. 27, Item No. 10.16 of Schedule of Rates (WBSRDA) Providing and Fixing 'Loge' of PMGSY Project:- Providing and fixing of typical PMGSY informatory sign board with Logo as per MORD specifications and drawing. Three MS Plates of 1.6 mm thick, top and middle plate duly welded with MS flat iron 25 mm x 5 m size on back on edges. The lower palte will be welded with MS angle iron frame of 25 mm x 25 mm x 5 m. The angle iron frame of the lower most plate and flat iron frame of middle plate will be welded to 2 nos. 75 mm x 75 mm of 12 SWG sheettubes posts duly embedded in cement concrete M-15 grade blocks of 450 mm x 450 mm x 600 mm, 600 mm below ground level. The top most diamond plate will be welded to middle plate by 47 mm x 47 mm of 12 SWG steel palte 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 Construction wing will add cost of 0.252 cum M-15 Cement Concrete	no.	1	6720.29	6720.29
9	Preparation of As built drawing of this road by Total Station or by campus survey with detail objects / structural submission in A3 Size paper with plastic cover & spiril binding - 2 copies.	no.	1	3000.00	3000.00
Total					118000.38