

Notice Inviting E-tender No. - WBUD/BDA/CEO/E-NIT-07/2021-22

Executive Engineer, Burdwan Development Authority, invites e-tender for the works details which are given in the table below:

Sl. No.	Name of Work	Source of Fund	Estimated Amount (Rs)	Earnest Money (Rs)	Period of completion	Pre Bid Meeting	Name of concerned Division	Eligibility of Bidder
1.	Construction of Ghat and fencing work of pond in front of Burdwan Institute of Medical and Life Sciences (BIMLS) beside Golapbag Road, Burdwan.	State Fund	5,93,931.00	11,879.00	120 Days	Optional	BDA	Intending tenders should produce credentials of a similar nature of work of the minimum value of 40% of the estimated amount put to tender during 5(five) years prior to the date of issue of this tender notice; or, intending tenders should produce credentials of 2(two) similar nature of work, each of the minimum value of 30% of the estimated amount put to tender during 5(five) year prior to the date of issue of this tender notice; or intending tenderers should produce credentials of one single running work of similar nature of the minimum value of 80% of the estimated amount put to tender; in case of running works ,only those tenderers who will submit the certificate of satisfactory running work from the concerned Executive Engineer, or equivalent competent authority will be eligible for the tender. In the required certificate, it should be clearly stated that the work is in progress satisfactorily and also that no penal action has been initiated against the executed agency, i.e., the tenderer.
2.	Repairing of road from Rayan school more to Nari under Burwan I Burdwan Planning Area.	State Fund	10,19,689.00	20,394.00	60 Days	Optional	BDA	
3.	Construction of 300 mt. of boundary wall of UIT in the North East side (Golapbag End)	State Fund	21,09,958.00	42,200.00	120 Days	Optional	BDA	
4	Construction of pucca drain and road from Chandrachur Bannerjee's house to Netaji Nagar Maind road at Kesabganj Choti, Rajbati, Belkash GP	State Fund	23,81,374.00	47,628.00	45 Days	Optional	BDA	
5	Development of Pirpukur at Sadhanpur Ambagan Ward No. 6 under Burwdan Municipality.	State Fund	27,59,151.00	55,184.00	180 Days	Optional	BDA	

6	Construction of bituminous road from Krishnopur to Rayan under Rayan I GP	State Fund	37,37,832.00	74,757.00	120 Days	Optional	BDA	produce credentials of 2(two) similar nature of work, each of the minimum value of 30% of the estimated amount put to tender during 5(five) year prior to the date of issue of this tender notice; or intending tenderers should produce credentials of one single running work of similar nature of the minimum value of 80% of the estimated amount put to tender; in case of running works ,only those tenderers who will submit the certificate of satisfactory running work from the concerned Executive Engineer, or equivalent competent authority will be eligible for the tender. In the required certificate, it should be clearly stated that the work is in progress satisfactorily and also that no penal action has been initiated against the executed agency, i.e., the tenderer.
7	Construction of boundary wall including front gate of the Burdwan Homeopathic Medical College & Hospital	State Fund	38,56,316.00	77,127.00	75 days	Optional	BDA	
8	Construction and renovation of playground at Sadhanpur Government Complex, Ward No. – 10 under Burdwan Municipality.	State Fund	45,24,072.00	90,482.00	150 Days	Optional	BDA	<p>For work only Sl. No. - 08</p> <p>A. Intending tenders should produce credentials of completed projects of similar nature, like beautification, landscaping, horticulture and improvement of park.</p> <p>B. Credential only Govt. Department (State and Central Govt. undertaking and Statuary Body) like PWD, CPWD, etc. will be accepted.</p> <p>C. Enlistment Certificate (Horticulture base) must require.</p> <p>D. All up to date documents regarding taxes and charges as applicable.</p> <p>E. Intending tenders should produce credentials of the minimum value of :</p> <p>I. 40% of the estimated amount put to tender during 5(five) years prior to the date of issue of this tender notice;</p> <p>II. 2(two) credentials of work, each of the minimum value of 30% of the estimated amount put to tender during 5(five) year prior to the date of issue of this tender notice;</p> <p>III. 80% of the estimated amount put to tender; in case of running works, only those tenderers who will submit the certificate of satisfactory running work from the concerned Executive Engineer, or equivalent competent authority will be eligible for the tender.</p>
9	Construction of black top from NH2 (Tentulala More) via the village of Alia towards Gangpur Station to Club of Bandhab under	State Fund	63,51,541.00	1,27,031.00	120 Days	Optional	BDA	Intending tenders should produce credentials of a similar nature of work of the minimum value of 40% of the estimated amount put to tender during 5(five) years prior to the date of issue of this tender notice; or, intending tenders should

	Baikunthapur I Gram Panchayata, Joteram, Burdwan Purba Bardhaman.							produce credentials of 2(two) similar nature of work, each of the minimum value of 30% of the estimated amount put to tender during 5(five) year prior to the date of issue of this tender notice; or intending tenderers should produce credentials of one single running work of similar nature of the minimum value of 80% of the estimated amount put to tender; in case of running works ,only those tenderers who will submit the certificate of satisfactory running work from the concerned Executive Engineer, or equivalent competent authority will be eligible for the tender. In the required certificate, it should be clearly stated that the work is in progress satisfactorily and also that no penal action has been initiated against the executed agency, i.e., the tenderer.
10	Construction of pucca road from Roynagar 2 no. Sansod Bottala to Canal Par under Baikunthapur II GP	State Fund	66,33,405.00	1,32,669.00	60 Days	Optional	BDA	
11	Construction of pucca road from Burdwan I Block office to Kamnara village via Palitpur road under Burdwan I Khsheti	State Fund	75,58,902.00	1,51,179.00	120 Days	Optional	BDA	
12	Concrete road, drain & other ancillary work at Bidhanpally dighir Par Ward No. - 11 under Burdwan Municipality	State Fund	81,36,985.00	1,62,740.00	120 Days	Optional	BDA	
13	Construction of concrete road surrounding Nandankanan and Mora Pukur Area under Baikunthapur II Gram Panchayat, Burdwan II Block.	State Fund	83,87,780.00	1,67,756.00	90 Days	Optional	BDA	

1. **Intending bidders shall download the tender document from the website directly by the help of e-Token.**

Earnest Money Deposit of e-procurement

2% (two percent) of the Estimated Amount is to be submitted as Earnest Money by all the bidders irrespective of their business status.

Online receipt and refund of EMD of e-procurement through State Government e-Procurement portal. The following procedure to be adopted for deposit of EMD/Bid Security/Tender Fees related to e-Procurement of the State Government departments.

N.B.:- Earnest Money is exempted for Three State Government Enterprises, viz. Mackintosh Burn Limited, Westinghouse Saxby Farmer Limited and Britannia Engineering Limited to exemption from earnest money for participation in Government tenders (Vide Memorandum No.-6417-F(Y) dated 26.08.2015 of Joint Secretary to the Govt. of West Bengal, Audit Branch, Finance Department and subsequent order No.-403(3)-W(C)/1M-208/15 dated-31.08.2015 of Joint Secretary to the Govt. of West Bengal, P. W. Department.) subject to the condition that they will furnish security deposit if selected in a tender

A. Login by bidder:-

- A bidder desirous of taking part in a tender invited by a State Government Office shall logging to the e-Procurement portal of the Government of West Bengal <https://wbtenders.gov.in> using his login ID and password.
- He will select the tender to bid and initiate payment of pre-defined EMD/Tender Fees for that tender by selecting from either of the following payments modes:
 - Net banking (any of the banks listed in the ICICI Bank Payment gateway) in case of payment through ICICI Bank Payment Gateway;

ii) RTGS/NEFT in case of offline payment through bank account in any Bank.

B. Payment procedure:

i.) Payment by Net Banking (any listed bank) through ICICI Bank Payment Gateway

- a. On selection of net banking as the payment mode, the bidder will be directed to ICICI Bank Payment Gateway webpage (along with a string containing a Unique ID) where he will select the Bank through which he wants to do the transaction.
- b. Bidder will make the payment after entering his Unique ID and password of the bank to process the transaction.
- c. Bidder will receive a confirmation message regarding success/failure of the transaction.
- d. If the transaction is successful, the amount paid by the bidder will get credited in the respective Pooling account of the State Government maintained with the Focal Point Branch of ICICI Bank at R.N. Mukherjee Road, Kolkata for collection of EMD/Tender Fees.
- e. If the transaction is failure, the bidder will again try for payment by going back to the first step.

ii.) Payment through RTGS/NEFT:-

- a. On Selection of RTGS/NEFT as the payment mode, the e-Procurement portal will show a pre-filled challan having he details to process RTGS/NEFT transaction.
- b. The bidder will print the challan and use the pre-filled information to make RTGS/NEFT payment using his Bank Account.
- c. Once payment is made, the bidder will come back to the e-Procurement portal after expiry of a reasonable time to enable the NEFT/RTGS process to complete, in order to verify the payment made and continue the bidding process.
- d. If verification is successful, the fund will get credited to the respective Pooling account of the State Government maintained with the Focal Point Branch of ICICI Bank at R.N. Mukherjee Road, Kolkata for collection of EMD/Tender Fees.
- e. Hereafter, the bidder will go to e-Procurement portal for submission of his bid.
- f. But if the payment verification is unsuccessful, the amount will be returned to the bidder's account.

C. Refund/Settlement Process:

- i. After opening of the bids and technical evaluation of the same by the tender inviting authority through electronic processing in the e-Procurement portal of the State Government, the tender inviting authority will declare the status of the bids as successful or unsuccessful which will be made available, along with the details of the unsuccessful bidders, to ICICI Bank by the e-Procurement portal through web services.
- ii. On receipt of the information from the e-Procurement portal, the Bank will refund, through an automated process, the EMD of the bidders disqualified at the technical evaluation to the respective bidders bank accounts from which they made the payment transaction. Such refund will take place within T+2 Bank Working Days where T will mean the date on which information on rejection of bid is uploaded to the e-Procurement portal by the tender inviting authority.
- iii. Once the financial bid evaluation is electronically processed in the e-procurement portal, EMD of the technically qualified bidders other than that of the L1 and L2 bidders will be refunded, through an automated process, to the respective bidders' bank accounts from which they made the payment transaction. Such refund will take place within T+2 Bank Working Days where T will mean the date on which information on rejection of financial bid is uploaded to the e-Procurement portal by the tender inviting authority. However, the L2 bidder should not be rejected till the LOI process is successful.
- iv. If the L1 bidder accepts the LOI and the same is processed electronically in the e-Procurement portal, EMD of the L2 bidder will be refunded through and automated process , to his bank account from which he made the payment transaction.
- v. All refunds will be made mandatorily to the any A/C from which the payment of EMD & Tender Fees (if (any) were initiated.

2. **Eligibility criteria for participation in the tender.**

- i. **Intending tenders should produce credentials of a similar nature of work of the minimum value of 40% of the estimated amount put to tender during 5(five) years prior to the date of issue of this tender notice; or, intending tenders should produce credentials of 2(two) similar nature of work, each of the minimum value of 30% of the estimated amount put to tender during 5(five) year prior to the date of issue of this tender notice; or intending tenderers should produce credentials of one single running work of similar nature of the minimum value of 80% of the estimated amount put to tender; in case of running works ,only those tenderers who will submit the certificate of satisfactory running work from the concerned Executive Engineer, or equivalent competent authority will be eligible for the tender. In the required certificate, it should be clearly stated that the work is in progress satisfactorily and also that no penal action has been initiated against the executed agency, i.e., the tenderer.**

For Only the work mentioned in Sl. No. – 8 :

- * Intending tenders should produce credentials of **completed projects of similar nature, like beautification, landscaping, horticulture and improvement of park.**
- * Credential only Govt. Department (State and Central Govt. undertaking and Statuary Body) like PWD, CPWD, etc. will be accepted
- * Enlistment Certificate (Horticulture base) must require
 - I. All up to date documents regarding taxes and charges as applicable
- * Intending tenders should produce credentials of the minimum value of
 - I. 40% of the estimated amount put to tender during 5(five) years prior to the date of issue of this tender notice;
 - II. 2(two) credentials of work, each of the minimum value of 30% of the estimated amount put to tender during 5(five) year prior to the date of issue of this tender notice;
 - III. 80% of the estimated amount put to tender; in case of running works, only those tenderers who will submit the certificate of satisfactory running work from the concerned Executive Engineer, or equivalent competent authority will be eligible for the tender.

N.B. :- Estimated amount, Date of Completion of project and detail communicational address of client must be indicated in the credential certificate, i.e. similar nature of work.

- ii. The prospective bidders shall have in their full time engagement experienced technical personnel, the minimum being **one Civil Engineering Diploma holder (in case of project cost within Rs. 1 Crore)** and **One Civil Engineering Degree holder with Two diploma Engineer (in case of project cost exceeds Rs. 1 Crore but within Rs. 5 Crore)** (Authenticated documents in respect of qualification and engagement shall be furnished for Technical Evaluation.) **(As per Finance Department Audit Branch GO No. – 5400 – F(Y) Dated 25th June 2012 of Government of West Bengal).**

[Non statutory Documents]

- iii. **Valid up to date Income Tax return acknowledgment of the latest 03 (Three) years, Professional Tax Clearance Certificate, P.T. (Deposit Challan for the latest year), Pan Card, valid GST Registration Certificate, Valid Trade License and Voter ID Card for self-identification to be accompanied with the Technical Bid Documents, Income Tax Acknowledgement Receipt for latest assessment year to be submitted. [Non statutory Documents]**

(A) Other terms and Condition of the Credentials

- 1) Payment certificate (Except that of Burdwan Development Authority (BDA)) will not treated as credential.
Payment Certificate of BDA will be treated as credential subjected to satisfaction of Tender Inviting Authority by checking office records regarding satisfactory completion the work whose payment certificate is given.
- 2) Certificate issued by the Executive Engineer, or equivalent or competent authority of a State/ Central Government undertaking, Statutory/ Autonomous bodies constituted under Central/ State statute, on the executed value of completed work will be taken as credential.

(B) PLANTS AND MACHINERIES:

- 1) Plant Machineries and equipment should be owned or arranged through lease hold agreement by the bidders.
- 2) Conclusive proof of ownership (Tax invoice, Way Bill, Delivery Challan, for each plant and machineries in working condition shall have to be submitted. (Non-Statutory documents)
- 3) In this connection self-declaration (pro-forma enclosed in Section- B, Form – IV) shall also have to be submitted along with the tender and it should be declared that

statement of fact related to the mode of ownership of machineries are true and it also to be clearly stated that required specified machineries shall be installed at the working site within 45 (forty five) days (Maximum) from the date of L.O.A./ work order.

- 4) In case where used/old Plant and Machineries are purchased registered sale deed has to be submitted with Tax invoice, Way Bill, Delivery Challan of the owner(s), along with Bank Statement & incorporation in the Balance Sheet as fixed asset of the bidder as a proof of ownership.
- iv. The prospective bidders or any of their constituent partner shall neither have abandoned any work nor any of their contract have been rescinded during the last 5 (five) years. Such abandonment or rescission will be considered as disqualification towards eligibility. (A declaration in this respect through affidavit has to be furnished by the prospective bidders without which the Technical Bid shall be treated nonresponsive.)
- v. The **Working Capital i.e. excess of current assets over current liabilities** shall not be less than **20 (twenty) percent** of the amount put to tender out of which minimum 15% shall be of applicants' own resource and **Finance Statement should invariably be upload with proper signature of C.A. firm showing Working Capital etc. clearly.**
- vi. In case of Proprietorship, Partnership Firms, The Company Tax Audit Report in 3CD Form are to be furnished along with the balance sheet and profit and loss account, and all the schedules forming the part of Balance Sheet and Profit & Loss Account in favour of applicant of **latest financial year**. No other name along with applicant name, in such enclose will be entertained. (Non-statutory documents)
- vii. Registered Partnership Deed (for Partnership Firm only) / Article of Association & Memorandum. along with Power of Attorney to be submitted along with application. (Non-Statutory documents)
- viii. Declaration regarding Structure and Organization duly signed by the applicant to be submitted along with application.
- ix. Registered Unemployed Engineers' Co-operative Societies are required to furnish valid Bye Law, Current up to date Audit Report, Current N.O.C. from A.R.C.S., Minutes of last A.G.M. and also submit documents of the society consists at least 10 (ten) members out of which at least 60% should hold degree or diploma in any branch in Engineering. (Non-Statutory documents)
- x. Joint Ventures collectively must comply with the minimum qualification requirements as mention in Eligibility of Bidder of this NIT. In addition the following requirements are also to be complied with:-
 - a. Lead Partner is to meet not less than 50% of all qualifying criteria as mentioned above.
 - b. Each of the Partners is to meet not less than 50% of all qualifying criteria as mentioned above.
 - c. Joint Ventures must own, collectively, all the machinery and equipment. No lease or other arrangements shall be accepted. Conclusive proof of ownership for each plant & machinery shall have to be submitted.
- xi. A prospective bidder participating in a single job either individually or as partner of a firm or in Joint Venture shall not be allowed to participate in the same job in any other form.
- xii. A prospective bidder shall be allowed to participate in a single job either in the capacity of individual or as a partner of a firm or in Joint Venture. If found to have applied severally in a single job, all his applications will be rejected for that job.
- xiii. Where there is a discrepancy between the unit rate & the line item total resulting from multiplying the unit rate by the quantity, the unit rate quoted shall govern.
- xiv. Prevailing safety norms has to be followed so that LTI (Loss of time due to injury) is zero.
3. The prospective tenderer shall establish field testing laboratory equipped with requisite instruments and technical staff according to the requirements of works to be executed.
4. Running payment for work may be made to the executing agency as per availability of fund. The executing agency may not get a running payment unless the gross amount of running bill will be **25 (Twenty Five) lakh or 30% of the tendered amount** whichever is less. Provisions in Clause(s) 7, 8 & 9 contained in B.D.A. Form No.2911 so far as they relate to quantum and frequency of payments are to be treated as superseded.
5. **No mobilization /secured advance** will be allowed.
Price Escalation of any kind will NOT be allowed.
6. Agencies shall have to arrange land for erection of Plant & Machineries, storing of materials, labour shed, laboratory etc. at their own cost and responsibility.
7. All materials should be supplied by the Contractor/agency.
8. **Constructional Labour Welfare Cess @ 1(one) %** of cost of construction will be deducted from every Bill

of the selected agency.

9. **The rate of deduction as per provision of GST.**
10. Provision of Arbitration is replaced through provision of Dispute Redressal Committee as contained in Finance Dept. notification no 8182-F(Y) dated 26.09.2012 of the Secretary, to the Govt. of West Bengal and relevant clause i.e. cl 25 of 2911(ii) is modified accordingly.
11. **All materials required for the proposed scheme as mentioned including bitumen (all grade), bitumen emulsion, cement & steel will have be of specified grade & approved brand in conformity with relevant code of practice (latest revision) & manufactured accordingly & will have to be procured & supplied by the agency at his/ their own cost including all taxes. Authenticated evidence for purchase of bitumen, bitumen emulsion, cement and steel are to be submitted along with challan and test certificate. In the event of further testing opted by the Engineer-in-Charge, such testing from any Government approved/ Govt. outside the jurisdiction of BDA Testing Laboratory will have to be conducted by the agency at his/their own cost. Only 60/70(VG 30) grade paving bitumen of I.O.C.L/ B.P.C.L/ H.P.C.L (from nearest depot) will be permitted as Straight run Bitumen. Steel materials procure & supply by the contractor shall be of TOR steel rod/HYSD/TMT bar of Fe415/Fe500/Fe500D grade The grade to be decided by the E-I-C Departmental schedule of rates. Steel reinforcement to be procured from any of the producers should be tested (physical test and chemical test) as per required frequencies and as per relevant code of BUREAU OF INDIAN STANDARD by the procuring authority from the laboratory / institution with proper testing infrastructure (preferably NABL accredited), approved by the Procuring authority / Engineer in Charge of the works. Cost of such testing will be borne by the producers / suppliers from whom the department is going to procure the steel reinforcement. The test result (both physical & chemical) should conform to IS-1786-(latest revision) or IS-432 (latest revision) whichever is applicable. Cement to be used should satisfy all criteria as per relevant IS codes of practice. Cement manufactured from mini plants shall not be used in any case. The type (e.g. OPC/PPC/PSC) and grade of cement is to be decided by the EI-C or as per instruction reflect on the approved drawing of this Department or as stipulated in the Departmental schedule of rates.**
12. **Any change of BOQ will not be accepted under any circumstances.**
13. **Documents (Scanned copies of originals) of depositing Earnest Money to be submitted along with Tender Documents.**
14. **Bids shall remain valid** for a period not less than 120 (one twenty) days after the dead line date for Financial Bid submission. If the bidder withdraws the bid during the bid validity period the EMD of the bidder will be forfeited without assigning any reason thereof. Bid valid for a shorter period shall be rejected by the 'Evaluation Committee' as non-responsive.
15. **A. Important Information**

CRITICAL DATE AND TIME SCHEDULE: -

Sl. No	Particulars	Date & Time
1.	Date of uploading of N.I.T. Documents (online) (Publishing Date)	08/09/2021 at 18.00 hrs.
2.	Documents download/sell start date (Online)	08/09/2021 at 18.30 hrs.
3.	Bid submission start date (On line)	08/09/2021 at. 18.50 hrs.
4.	Date and time of Pre-Bid meeting and site visit	15/09/2021 up to 14.00 hrs.
5.	Bid Submission closing (On line)	22/09/2021 at 14.00 hrs.
6.	Bid opening date for Technical Proposals (Online)	24/09/2021, at 15.00 hrs.
7.	Date of uploading list for Technically Qualified Bidder(online)	To be Intimated Later
8.	Date of uploading final list for technically qualified bidders after disposal of appeals. (On line)	To be Intimated Later
9.	Date & Place for opening of Financial Proposal (Online)	To be Intimated Later Office of Burdwan Development Authority
	Date of uploading of list bidders along with the offer rates through (on line), also if necessary, for further negotiation through offline for final rate.	To be Intimated Later

16. **LOCATION OF CRITICAL EVENT**

Bid Opening

Office of the Burdwan Development Authority.

17. The Agency will be liable to maintain the work at working portion at the appropriate service level to the satisfaction of the Chief Executive Officer at his own cost for a period as mentioned in the "Tender Form" from the date of completion of the work. If any defect/damage is found during the period as mentioned above contractor shall make the same good at his own cost expense to the specification at par with instant project work. Failure to do so, penal action against the Agency will be imposed by the Department as deem fit. The Agency will have to quote his rate considering the above aspect.

A retention towards Security amount of which will be determined as per prevailing govt. orders (including 2% Earnest money) of the billed amount shall be made by the by the authority from 1st R.A. bill to Final bill.

No interest would be paid on the Security Deposit.

18. All Bidders are requested to present in the Office of the Burdwan Development Authority', during opening the financial bid Chief Executive Officer, Burdwan Development Authority., may call **Open Bid/Seal Bid** after opening of the said bid to obtain the suitable rate further, if it is required. No objections in this respect will be entertained raised by any Bidder who will present during opening of bid, or from any Bidder who will absent at the time of opening of Financial Bid. No informal tenderer will be entertained in the Bid further.
19. Site of work and necessary drawings may be handed over to the agency phase wise. No claim in this regards will be entertained.
20. **Price preference** will be allowed as per prevailing government Order.
21. The Bidder, at his own responsibility and risk is encouraged to visit and examine the site of works and its Surroundings and obtain all information's that may be necessary for preparing the Bid and entering into a contract for the work as mentioned in the Notice Inviting Tender, before submitting offer with full satisfaction, the cost of visiting the site shall be at his own expense. Issuance of letter of acceptance / Work Order may be delayed and / or work may be financially restricted up to the limit of existing administrative approval until receipt of revised administrative approval from the competent authority (in applicable cases). Also issuance of letter of acceptance / work Order may be delayed and / or work may be restricted in some stretches till necessary land for the same is made available and / or encroachments are removed (in applicable cases). No claim, whatsoever, for such delay in issuance of Letter of Acceptance / Work Order and / or restriction of work will be entertained. Intending bidders may keep these criteria in mind while participating in tender and / or while quoting their rates.
22. The intending Bidders shall clearly understand that whatever may be the outcome of the present invitation of Bids, no cost of Bidding shall be reimbursable by B.D.A. The Chief Executive Officer, Burdwan Development Authority reserves the right to reject any application for purchasing Bid Documents and to accept or reject any offer without assigning any reason whatsoever and is not liable for any cost that might have incurred by any Tenderer at the stage of Bidding.
23. **Prospective applicants are advised to note carefully the minimum qualification criteria as mentioned in 'Instructions to Bidders' before tendering the bids.**
24. **Conditional/ Incomplete tender will not be accepted.**
25. The intending tenderers are required to quote the rate **on line**.
26. Contractor shall have to comply with the provisions of (a) the contract labour (Regulation Abolition) Act. 1970 (b) Apprentice Act. 1961 and (c) minimum wages Act. 1948 of the notification thereof or any other laws relating thereto and the rules made and order issued there under from time to time.
27. Combined SOR 2017 w.e.f. 01.11.2017 of P.W.D.(WB) {Vol.-I,II &III} with up to date Addenda & Corrigenda and latest edition of the book of name 'Specification for Road and Bridge Works' of the M.O.R.T.&H., Surface Transport (Roads Wing), Government of India, published by Indian Roads Congress, New Delhi, for the specification of various works shall deem to constitute a part of contract under this NIT.
28. During the scrutiny, if it come to the notice to tender inviting authority that **the credential or any other paper found incorrect/ manufactured/ fabricated, that bidder would not allowed to participate in the tender and that application will be out rightly rejected without any prejudice** with forfeiture of earnest money as per memo no. 547-W(C)/1M-387/15 dated 16.11.2015 of Joint Secretary P.W.D. (Section - C, C.51)
29. **The Chief Executive Officer or The Executive Engineer, Burdwan Development Authority reserves to right to cancel the N.I.T. due to unavoidable circumstances and no claim in this respect will be entertained.**
30. In case if there be any objection regarding prequalifying the Agency that should be lodged to the Chairman of Evaluation Committee within 2 days from the date of publication of list of qualified agencies and beyond that time schedule no objection will be entertained by the Evaluation Committee.

31. Before issuance of the WORK ORDER, the tender inviting authority may verify the credential and other documents of the lowest tenderer if found necessary. After verification if it is found that the documents submitted by the lowest tenderer is either manufactured or false in that case work order will not be issued in favour of the said Tenderer under any circumstances.
32. All the uploaded documents should be organized in proper order in the respective folders assigning names to the individual documents.
33. Interested Agencies may attend the Pre-Bid Meeting. Failing to attend Pre-Bid meeting will not result in cancellation of any Technical and Financial Bids.
34. If any discrepancy arises between two similar clauses on different notification, the clause as stated in later notification will supersede former one in following sequence: -
- i) Form No. 2911(ii)
 - ii) NIT
 - iii) Special terms & conditions
 - iv) Technical Bid
 - v) Financial Bid
35. **Qualification criteria:**
The tender inviting & Accepting Authority through a "Evaluation Committee" will determine the eligibility of each bidder, the bidders shall have to meet all the minimum regarding: -
- a) **Financial Capacity**
 - b) **Technical Capability comprising of personnel & equipment capability**
 - c) **Experience/Credential**

The eligibility of a bidder will be ascertained on the basis of the self-attested documents in support of the minimum criteria as mentioned in a, b, c above and the declaration executed through prescribed affidavit in non-judicial stamp paper of appropriate value duly notarized. If any document submitted by a bidder is either manufacture or false, in such cases the eligibility of the bidder/ tenderer will be out rightly rejected at any stage without any prejudice with forfeiture of earnest money forthwith or will be debarred from participation in any tender within the jurisdiction of BDA for a minimum period of 1 (one) year or more as deemed fit by the tender Inviting authority.

N.B.

- i) In case of construction of roads, parks, beautification work, security deposit will be released as per the order of Department of Urban Development and Municipal Affairs, PWD Govt. of West Bengal, Financial Department, Govt. of West Bengal or any other Govt. Norms as applicable.
- ii) The Additional Performance Security in all Projects shall be mandatory as per Government of West Bengal, Finance Department Audit Branch Order no. No. 4608-F(Y) Dated, 18th July, 2018.
- iii) BOQ (details) attached with the NIT.

Shirany
07/09/2024
Executive Engineer,
Burdwan Development Authority,
Purba Bardhaman

SECTION A

INSTRUCTION TO BIDDERS SECTION – A

1. *General guidance for e-Tendering*

Instructions/ Guidelines for tenders for electronic submission of the tenders online have been annexed for assisting the contractors to participate in e-Tendering.

1. **Registration of Contractor**

Any contractor willing to take part in the process of e-Tendering will have to be enrolled & registered with the Government e-Procurement system, through logging on to <https://etender.wb.nic.in> (the web portal of public works department) the contractor is to click on the link for e-Tendering site as given on the web portal.

2. **Digital Signature certificate (DSC)**

Each contractor is required to obtain a class-II & Class-III. Digital Signature Certificate (DSC) for submission of tenders, from the approved service provider of the National Information's Centre (NIC) on payment of requisite amount details are available at the Web Site stated in Clause-2 of Guideline to Bidder DSC is given as a USB e-Token.

3. The contractor can search & download NIT & Tender Documents electronically from computer once he logs on to the website mentioned in Clause 2 using the Digital Signature Certificate. This is the only mode of collection of Tender Documents.

4. **Participation in more than one work**

A prospective bidder shall be allowed to participate in the job either in the capacity of individual or as a partner of a firm. If found to have applied severally in a single job all his applications will be rejected for that job. A prospective bidder (including his participation in partnership) shall be allowed to participate in single road / building work as mentioned in the list of schemes.

5. **Submission of Tenders.**

General process of submission, Tenders are to be submitted through online to the website stated in Cl. 2 in two folders at a time for each work, one in Technical Proposal & the other is Financial Proposal before the prescribed date & time using the Digital Signature Certificate (DSC) the documents are to be uploaded virus scanned copy duly Digitally Signed. The documents will get encrypted (transformed into non-readable formats).

A. **Technical proposal**

The Technical proposal should contain scanned copies of the following in two covers (folders).

A-1 **Statutory Cover/ Technical file Containing**

1. **PREQUALIFICATION DOCUMENT**

1. Prequalification Application (Sec-B, Form – I)
2. Scanned copies of original documents towards deposition of earnest money and tender fees against each work.

2. **TECHNICAL DOCUMENT**

1. Financial Statement (Section – B, Form – II).
2. Affidavits (Ref:- format shown in “X” Part “B” & format for general affidavit shown in “Y” Part “B”).

3. **Tender form No. 2911**

4. **NIT**

5. **Special Terms, condition & specification of works**

Properly upload NIT, Specifications & 2911 digitally Signed. The rate will be quoted in the BOQ. Quoted rate will be encrypted in the B.O.Q. under Financial Bid. In case quoting any rate in 2911 the tender liable to summarily rejected.

A-2 **Non statutory / Technical Documents**

- I. Professional Tax(PT) deposit receipt challan for the latest financial year, Pan Card, IT, Income Tax Return for the latest 03 (Three) Assessment years, valid GST Registration Certificate.
- II. Registration Certificate under Company Act. (if any).
- III. Registered Deed of partnership Firm/ Article of Association & Memorandum.

- IV.** Power of Attorney (For Partnership Firm/ Private Limited Company, if any)
- V.** Tax Audited Report in 3 Cd Form along with Balance Sheet & Profit & Loss A/c for the last three years (year just preceding the current Financial Year will be considered as year – I)
- VI.** Clearance Certificate for the Current Year issued by the Assistant Register of Co-Op(S) (ARCS) bye laws are to be submitted by the Registered labour Co-Op(S) Engineers' Co.-Opt.(S)
- VII.** List of machineries possessed by own along with authenticated copy of invoice, challan & waybill Ref.:- Cl. No. 2(iii)(B) of this NIT(Section –B, Form IV).
- VIII.** List of Technical staffs along with structure & organization (Section – B, Form – III).
- IX.** Credential should be submitted as required in the NIT i.e. Tender Notice.

Note:- Failure of submission of any of the above mentioned documents (as stated in A1 and A2) will render the tender liable to be summarily rejected for both statutory & non statutory cover.

THE ABOVE STATED NON-STATUTORY/TECHNICAL DOCUMENTS SHOULD BE ARRANGE IN THE FOLLOWING MANNER

Click the check boxes beside the necessary documents in the My Document list and then click the tab “ Submit Non Statutory Documents’ to send the selected documents to Non-Statutory folder.

Next Click the tab “ Click to Encrypt and upload” and then click the “Technical” Folder to upload the Technical Documents

Sl. No.	Category Name	Sub Category Description	Details
A.	CERTIFICATES	CERTIFICATES	1. GST REGISTRATION CERTIFICATE 2. PAN 3. P TAX (CHALLAN) latest year 4. LATEST 03 (Three) Years IT RECEIPT. 5. IT-Saral for latest Assessment Year. 6. Valid Trade License.
B.	COMPANY DETAILS	1.COMPANY DETAILS	1. PROPRIETORSHIP FIRM (TRADE LICENCE) 2. PARTNERSHIP FIRM(Registered or Notarized Deed of PARTERNERSHIP Firm/ Article of Association & Memorandum of company, Valid TRADE LICENCE) 3. LTD. COMPANY(LATEST INCORPORATION CERTIFICATE, TRADE LICENCE CHALLAN 4. SOCIETY (SOCIETY REGISTRATION COPY, TRADE LICENCE ORIGINAL & RENEWAL BOTH) a) POWER OF ATTORNEY b) VALID BY LAW c) VALID REGISTRATION CERTIFICATE ISSUED BY THE CO-OP DEPT. d) AGM of last Three Financial Years.
C.	CREDENTIAL	CREDENTIAL	SIMILAR NATURE OF WORK DONE & COMPLETION CERTIFICATE WHICH IS APPLICABLE FOR ELIGIBILITY IN THIS TENDER
D	EQUIPMENT	MACHINERIES	1. AUTHENTICATED COPY OF TAX INVOICE DELIVERY CHALLAN & WAYBILL(MACHINERIES)
E.	FINANCIAL (INFO)	WORK IN HAND	1. AUTHENTICATED FINANCIAL STATEMENT (SEC-B, FORM-II)
		PAYMENT CERTIFICATE	ONLY PAYMENT CERTIFICATE NOT THE TDS CERTIFICATE

		P/L AND BALANCE SHEET (WITH ANNEXTURE)	PROFIT & LOSS AND BALANCE AND 3CD FORM IN CASE OF TAX AUDIT)
	Latest 3 (Three) years	P/L AND BALANCE SHEET (WITH ANNEXTURE)	PROFIT & LOSS AND BALANCE AND 3CD FORM IN CASE OF TAX AUDIT)
		P/L AND BALANCE SHEET (WITH ANNEXTURE)	PROFIT & LOSS AND BALANCE AND 3CD FORM IN CASE OF TAX AUDIT)
		P/L AND BALANCE SHEET (WITH ANNEXTURE)	PROFIT & LOSS AND BALANCE AND 3CD FORM IN CASE OF TAX AUDIT)
F.	MAN POWER	TECHNICAL PERSONNEL	LIST OF TECHNICAL STAFFS ALONG WITH STRUCTURES & ORGANZATION (ASPER NIT)

Tender evaluation committee(TEC)

- i.** Evaluation committee constituted by the Chief Executive Officer, Burdwan Development Authority, Burdwan will continue to function as evaluation committee for determination technically qualified contractors.
- ii. Opening of Technical proposal:-** Technical proposals will be opened by the Chief Executive Officer and his authorized representative electronically from the web site stated using their Digital Signature Certificate.
- iii.** Intending tenderers may remain present if they so desire.
- iv.** Cover (folder) statutory documents (vide Cl. No. 5.A-1) should be open first & if found in order, cover (Folder) for non-statutory documents (vide Cl. No. – 5.A-2) will be opened. If there is any deficiency in the statutory documents the tender will summarily be rejected.
- V.** Decrypted (transformed in to readable formats) documents of the non statutory cover will be downloaded & handed over to the tender evolution committee.
- vi.** Uploading of summary list of technically qualified tenderers.
- vii.** Pursuant to scrutiny & decision of the evaluation committee the summary list of eligible tenders & the serial number of work for which their proposal will be considered will be uploaded in the web portals.
- viii. While evaluation the committee may summon of the tenders & seek clarification / information or additional documents or original hard copy of any of the documents already submitted & if these are not produced within the stipulated time frame, their proposals will be liable for rejection.**

B. Financial Proposal

- i)** The financial proposal should contain the following documents in one cover (folder) i.e. Bill of quantities (BOQ) the contractor is to quote the rate(Presenting Above/ Below/ At per) online through computer in the space marked for quoting rate in the BOQ.
- ii)** Only downloaded copies of the above documents are to be uploaded virus scanned & Digitally Signed by the contractor.
- iii)** Financial capacity of a bidder will be judged on the basis of working capital and available bid capacity as mentioned in the N.I.T. to be derived from the information furnished in **FORM-I & II** (Section-B) i.e., Application (for Pre-qualification) & Financial Statement. If an applicant feels that his/their Working Capital beyond own resource may be insufficient, he/they may include with the application a letter of guarantee issued by a first class Bank to supplement the applicant. **This letter of guarantee should be addressed to the Tender Inviting/ Accepting Authority and should guarantee duly specifying the name of the project that in case of contract is awarded to the Bidder, the Bidder will be provided with a revolving line of credit.** Such revolving line of credit should be maintained until the works are taken over by the Assistant Engineer/ Employer.

The audited Balance sheet for the latest three financial years, net worth bid capacity etc. are to be submitted which must demonstrate the soundness of Bidder's financial position, showing long

term profitability including an estimated financial projection of the next two years.

6. Penalty for suppression / distortion of facts

If any tenderer fails to produce the original hard copies of the documents (especially Completion Certificates and audited balance sheets), or any other documents on demand of the Tender Evaluation Committee within a specified time frame or if any deviation is detected in the hard copies from the uploaded soft copies or if there is any suppression, the tenderer will be suspended from participating in the tenders on e-Tender platform for a 1 (One) year. In addition, his user ID will be deactivated and Earnest Money Deposit will stand forfeited. Besides, the B.D.A. Authority may take appropriate legal action against such defaulting tenderer.

The Employer reserves the right to accept or reject any Bid and to cancel the Bidding processes and reject all Bids at any time the prior to the award of Contract without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the ground for Employer's action.

7. AWARD OF CONTRACT

The Bidder whose Bid has been accepted will be notified by the Tender Inviting & Accepting Authority through acceptance letter.

The notification of award will constitute the formation of the Contract.

The Agreement in W.B.F.No.-2911 will incorporate all agreements between the Tender Accepting Authority and the successful Bidder.

The Bidder who's Bid has been accepted will be notified by the Tender Inviting & Accepting Authority through Letter of Acceptance.

The Letter of Acceptance will constitute the formation of the Contract.

An Agreement will be constituted in between the Tender Accepting Authority and the successful Bidder (L₁ Bidder) in W.B.F.No.-2911(ii) along with all necessary documents e.g. N.I.T. (including all kinds of terms and conditions and specifications of works), all addenda-corrigendum, different filled-up forms (Section – B), B.O.Q., Affidavits, original application, Comparative Statement, Acceptance letter etc. Successful tenderer (L₁ Bidder) shall have to purchase requisite copies of contract documents (on payment of requisite cost for formal agreement) from concerned Division & submit the same along with **original Application, Affidavit-‘X’ and ‘Y’** to this office within the specified time limit as to be stated in the letter of acceptance positively & failure to comply content of this Clause & failure to submit the aforesaid requisite instrument by the successful bidder, the said bidder may be debarred from participating tenders under BDA for a minimum period of 1 (one) year or more as deemed fit by the tender Inviting authority.

**Sd/
Executive Engineer,
Burdwan development Authority
Purba Bardhaman**

SECTION – B

**FORM-I
PRE-QUALIFICATION APPLICATION**

**To
The Executive Engineer,
Burdwan Development Authority,
Burdwan-713101.**

Ref:- Tender for E.N.I.T. No. WBUD/BDA/CEO/ENIT – of 20..... – 20.....

Dear Sir,

Having examined the pre-qualification documents (N.I.T. & Volume-I), I /we hereby submit all the necessary information and relevant documents for evaluation.

The application is made by me / us on behalf of.....

In the capacity..... duly authorized to submit the order.

The necessary evidence admissible by law in respect of authority assigned to us on behalf of the group of firms for Application and for completion of the contract documents is attached herewith.

We are interested in bidding for the works given in Enclosure to this letter.

We understand that:

- (a) Executive Engineer/Assistant Engineer / CEO BDA can amend the scope & value of the contract bid under this project.
- (b) Executive Engineer/Assistant Engineer / CEO BDA reserves the right to reject any application without assigning any reason.

Enclo:-

- 1. Prescribed forms duly filled in duplicate.
- 2. Evidence of authority to sign.
- 3. Latest brochures.

**Signature of applicant including title
and capacity in which application is made.**

SECTION - B
FORM-II
FINANCIAL STATEMENT

B1. Name of applicant:

B2. Summary of assets and liabilities on the basis of the audited financial statement of the last five financial years. (Attach copies of the audited financial statement of the last five financial year)

	Year (Rs in Lakh)	Year (Rs in Lakh)	Year (Rs in Lakh)	Year (Rs in Lakh)	Year (Rs in Lakh)
a. Current assets (it should not include investment in any other firm)					
b. Current liabilities (It should include bank over draft)					
c. Working capital (a)-(b)					
d. Net worth : (Proprietors capital or Partners Capital or Paid up Capital					
+ Resource & Surplus)					
e. Bank Loan/Guarantee :					

B3. Net Profit before Tax (In%)

- a) Current Period :
b) During the last Financial Year :
c) During each of the two previous financial years :

- B4.** a) Applicant's Own Resources :
b) Bank Credits :

B5. Approximate value of works in hand :

**Signature of applicant including title
and capacity in which application is made.**

AFFIDAVIT- 'X'

(To be furnished in Non-judicial Stamp paper of appropriate value duly notarized)

Work in progress				Work order issued		
Sl. No	Name of work with tender No	Estimated Amount	% of work executed	Sl. No	Name of work with tender No	Tendered Amount

Similar Work Completed			
Sl. No.	Name of the work with NIT NO.	Estimated amount	Work completion certificate

Signed by an authorised officer of the firm

Title of the Officer

Name of Firm with Seal

Date

**(To be furnished in Non-judicial Stamp paper
of appropriate value duly notarized)**

1. I, the under-signed do certify that all the statements made in the attached documents are true and correct. In case of any information submitted proved to be false or concealed, the application may be rejected and no objection/claim will be raised by the under-signed.
2. The under-signed also hereby certifies that neither our firm M/S _____
_____ not any of constituent partner had been debarred to participate in tender by the B.D.A during the last 05 (Five) years prior to the date of this NIT.
3. The under-signed would authorize and request any Bank, person, Firm or Corporation to furnish pertinent information as deemed necessary and/or as requested by the Authority to verify this statement.
4. The under-signed understands that further qualifying information may be requested and agrees to furnish any such information at the request of The Authority.
5. Certified that I have applied in the tender in the capacity of individual/ as a partner of a firm & I have not applied severally for the same job.

Signed by an authorised officer of the firm

Title of the Officer

Name of Firm with Seal

Date _____

SECTION - B
FORM-III
STRUCTURE AND ORGANISATION

A. 1. Name of Applicant (Firm) :

Office Address :

Telephone No. :

Mobile No. :

Fax No. :

A. 2. Office Address

Telephone No. :

Mobile No. :

Fax No. :

A. 3. Name and address of Bankers :

A. 4. Attach an organization chart showing :
structure of the company with names
of Key personnel and technical staff
with Bio-data.

SECTION –B
FORM – IV

Plant Machineries and equipment should be owned or arranged through lease hold agreement by the bidders for this work exclusively.
(Original document of own possession to be annexed)

Name of Machine	Make	Type	Capacity	Motor / Engine No.	Machine No.	Possession Status		Location where installed	Date of release If Engaged
						Idle	Engaged		
1	2	3	4	5	6	7	8		9

For each item of equipment the application should attach copies of

- (i) Document showing proof of full payment,
- (ii) Receipt of Delivery,
- (iii) Road Challan from Factory to delivery spot, is to be furnish.

Signature of applicant including title
and capacity in which application is made.

SECTION - B
FORM – IV (contd...)

CONTRACTOR'S EQUIPMENT:

MINIMUM PLANT AND EQUIPMENT TO BE DEPLOYED BY THE CONTRACTOR FOR THE WORK.

Whereas it is entirely the responsibility of the Contractor to deploy sufficient plant and mechanical equipment to ensure compliance with his obligations under the Contract, the following list is an indicative list of the minimum essential basic holding of plant and mechanical equipment which should be owned or arranged through lease hold agreement by the bidders.

For Building and Bridge work :- Concrete batching and mixing plant, Concrete mixer with integral weigh batching facility.

For above works Maximum age of the plants, machineries will be 5 years as on the date of publication of NIT. It may be extended up to 7 years after getting fit certificate from the manufacturer and this certificate should be produced at the time of submission of Bid.

All other machineries and equipment should be in running condition.

All plants, machineries and equipment will be verified by the Department before execution of the work.

Signature of applicant including title
and capacity in which application is made

**SECTION-B
FORM-V**

EXPERIENCE PROFILE

Name of the Firm:

LIST OF WORKS COMPLETED WHICH ARE SIMILAR IN NATURE AND EXECUTED DURING THE LAST FIVE YEARS IN ANY GOVT. DEPARTMENT / GOVT. UNDERTAKING / STATUTORY BODY UP TO AVALUE OF 40% OF THE ESTIMATED VALUE PUT TO TENDER

Name of Employer	Name, Location & nature of work	Contract price in Indian Rs.	Original date of start of work	Original date of completion of work	Actual date of starting the work	Actual date of completion the work	Reasons for delay in completion (if any)

Ff

- Note : a) Certificate from the Employers to be attached.
b) Non-disclosure of any information in the Schedule will result in disqualification of the firm.

Signature of the Contractor/company/agency

(b) No tender will be deemed to be fit for consideration unless the tender documents are fully and completely filled in. All information's that may be asked from a tenderer must be unequivocally furnished. Any tender which is incomplete or does not comply with the prescribed conditions or stipulations laid down herein to rejection at the time of opening or during subsequent scrutiny. Tender received with conditional rate will be liable to rejection at the time of opening.

(c) Canvassing in connection with the tender is strictly prohibited and a tenderer who resorts to this will render his tender liable to rejection.

(d) No alteration shall be permitted to be made by the tenderer in any tender after its submission.

(P.T.O.)

TENDER FOUND TO HAVE SUBMITTED UNDER FALSE NAME:

When a Contractor, whose tender has been accepted under a given name is subsequently discovered to have given a false name, his contract may at the discretion of the Authority accepting the tender be annulled his Security Deposit will be forfeited.

**Signature and address
of the Tenderer**

**Signature of Tender
Accepting Authority**

SECTION — 3

Special Terms and Conditions

GENERAL:

Unless otherwise stipulated all the works are to be done as per general conditions and general specifications in the “Public Works Department” Schedule of Rates for works in West Bengal for the working area.

The project should be executed as per IS code /IRC/MOST/MORTH standards regarding the quality of materials and various item of works.

TERMS & CONDITIONS IN ORDER TO PRECEDENCE:

If the stipulations of the various components of the contract documents be at variance in any respect, one will over-ride the other (only in so far as those are at variance) in the order of precedence as given below:

- (a) Special terms and conditions
- (b) Special specifications
- (c) General specifications
- (d) Notice Inviting Tender
- (e) Schedule of probable items with approximate quantities
- (f) Printed Tender Form, i.e. W.B.F. 2911

All works covered in the clause appearing hereinafter shall be deemed to form a part of the appropriate item or items of works appearing in the schedule whether specifically mentioned in any clause or not and the rates quoted shall include all such works unless it is otherwise mentioned that extra payment will be made for particular works.

**Signature and address
of the Tenderer**

**Signature of Tender
Accepting Authority**

ENGINEER-IN-CHARGE AND COMMENCEMENT OF WORK :

The word "Engineer-In-Charge" means the Executive Engineer, B.D.A. The word "AUTHORITY" appearing in the tender documents means Burdwan Development Authority, who have jurisdiction of the works forming the subject matter of the tender or contract. The word "approved" appearing anywhere in the documents means approved by the Chief Executive Officer. The work shall have to be taken up within seven days of the receipt of the work order. Failure to do so will constitute a violation of the contract stipulation as regards proportionate progress and timely completion of work and the contractor will thereby make himself liable to pay compensation or other penal action as per stipulation of the printed tender form.

CONDITION IN EXTENDED PERIOD:

The case may be when an extension of time for completion of work is authorized by the Chief Executive Officer, it will be taken for granted that the validity of the contract is extended automatically up to the extended period with all terms and conditions rates, etc. remaining unaltered, i.e. the tender is revalidated up to the extended period.

CO-OPERATION AND DAMAGES AND COMPLETION OF WORK:

All works are to be carried out in close co-operation with the Department and other contract or contracts that may be working in the area of work. The work should also be carried out with due regard to the convenience of the road/building users and occupants, if any. All arrangements and programme of work must be adjusted accordingly. All precautions must be taken to guard against chances of injury or accidents to workers, road users, occupants etc. The contractor must see that all damages to any property which, in the opinion of the Chief Executive Officer are due to the negligence of the contractor, are promptly rectified by the contractor at his own cost and expenses and according to the direction and satisfaction of the Chief Executive Officer.

TRANSPORTATION ARRANGEMENT :

The contractor shall arrange for all means of transport including Railways Wagons required for carriage and supply of materials and also the materials required for the construction work. The Authority may however, at their own discretion grant necessary certificates, if required, for procurement of railways Wagons. But, in case of failure of the Authority to help the Contractor in this respect, the contractor will have to procure wagons at his own initiative and no claim whatever on the ground of non-availability of wagons shall be entertained under any circumstances. If Railways Wagons are not available, the Contractor will have to depend on transport of materials by road as necessary to complete the work in time and the contractor must consider this aspect while quoting rate.

**Signature and address
of the Tenderer**

**Signature of Tender
Accepting Authority**

CONTRACTOR/AGENCY'S SITE OFFICE:

The contractor shall have an office adjacent to the work as may be approved by the Chief Executive Officer where all directions and notice of any kind whatsoever which the Chief Executive Officer or his representative may desire to give to the contractor in connection with the contract may be left and same when left at or sent by post to such office or delivered to the Contractor's authorized agent or representative shall be deemed to the sufficiently served upon the contractor.

INCIDENTAL AND OTHER CHARGES :

The cost of all materials, hire charges to Tools and plants, Labour, Corporation/Municipal Fees for water supply, Royalty or road materials (if any), Electricity and other charges of Municipalities or statutory Bodies, Ferry charges, Toll Charges, Loading and unloading charges, Handling charges overhead charges etc. will be deemed to have been covered by the rates quoted by the contractor inclusive of Sales Tax (Central and/or State), Income Tax, Octroi Duty/Terminal Tax, Turnover Tax etc. All other charges for the execution of the complete or finished work or in case of supply of materials and for carriage to the entire satisfaction of the Assistant Engineer of the work. No claim whatsoever in this respect will be entertained.

AUTHORISED REPRESENTATIVE OF CONTRACTOR/AGENCY :

The contractor shall not assign the agreement or sublet any portion of the work. The contractor, may however, appoint and authorized representative in respect of one or more of the following purpose only.

- a) General day to day management of work
- b) To attend measurements when taken by the Authority Officers and sign the records of such measurements which will be taken of acceptance by the Contractor.

The selection of the authorized representatives subject to the prior approval of the Executive Engineer concerned and the contractor shall in writing seek such approval of the Executive Engineer giving therein the name of work, Tender No., the Name, Address and the specimen signature of the representative he wants to appoint and the specific purposes as specified in Clause 9 (a), (b) and (c) which the representative will be authorized for even after first approval, the EIC may issue at any subsequent date, revised directions about such authorized representative and the contractor shall be bound to abide by such directions. The EIC shall not be bound to assign any reason for any of his directions with regard to the appointment of authorized representative. Any notice correspondence etc. issued to the authorized representative or left at his address, will be deemed to have been issued to the contractor himself.

**Signature and address
of the Tenderer**

**Signature of Tender
Accepting Authority**

POWER OF ATTORNEY:

The Provision of the power of attorney, if any, will be subject to the approval of the Authority. Otherwise the Department shall not be bound to take cognizance of such of attorney.

EXTENSION OF TIME :

For cogent reasons over which the contractor will have no control and which will retard the progress, extension of time for the period lost will be granted on receipt of application from the contractor before the expiry date of contract. No claim whatsoever for idle labour, additional establishment, cost of materials and labour and hire charges of tools & Plants etc. would be entertained under any circumstances. The contractor should consider the above factor while quoting his rate. Applications for such extension of time should be submitted by the contractor in the manner indicated in the printed form of W.B.F. No. 2911

CONTRACTOR'S GODOWN :

The contractor must provide suitable go downs for cement and other materials at the site of work. The cement go down is to be sufficient in capacity and it must be water tight with either an elevated floor with proper ventilation arrangement underneath the floor or if a solid raised flooring is made, cement is to be stored on bamboo or timber dunnage to the satisfaction of the Assistant Engineer. No separate payment will be made for these go downs or for the store yard. Any cement which is found at the time of use to have been damaged shall be rejected and must immediately to removed from the site by the Contractor or deposited as directed by the Engineer-In-Charge.

ARRANGEMENT OF LAND :

The contractor will arrange land for installation of his Plants and Machineries, his go down, store yard, labor camp etc. at his own cost for the execution of the work.

USE OF GOVERNMENT LAND :

The contractor shall make his own arrangements for storage of tools, plant, equipments, materials etc. of adequate capacity and shall clear and remove on completion of work and shed, huts etc. which he might have erected in Government Land. Before using any space in Government Land of any purpose whatsoever, approval of the Chief Executive Officer.

**Signature and address
of the Tenderer**

**Signature of Tender
Accepting Authority**

ROYALTY:

The Contractor will have to submit the receipt of payment of royalty to the Government for use of sand, stone materials, late rite, Morrums, gravel etc. to the Chief Executive Officer, before preparation of bill for payment, when they collect the materials directly from the source. If they collect the materials from the authorized quarry holder or commercial establishment who directly or indirectly pay the royalty to the Government, necessary certificate or cash memo for sale in that respect from them shall have to be produced to the Executive Engineer failing which necessary deduction from the dues of the contractor may be made as fixed by the Executive Engineer.

WORK ORDER BOOK :

The contractor shall within seven days of receipt of the order to take up work, supply at his own cost one Work Order book to authority Concerned, who is authorized to receive and keep in custody the Work Order Book on behalf of the Executive Engineer. The Work Order Book shall be kept at the site of work under the custody of BDA or his authorized representative. The Work Order Book shall have machine numbered pages in duplicate directions or instruction from Authority officers to be issued to the Contractor will be entered (in duplicate) in the Work Order Book (except when such directions or instructions are given by separate letters). The contractor or his authorized representative shall regularly note the entries made in the Work Order Book and also record thereon the action taken or being taken by him complying with the said directions or instruction on any relevant point relating to the work. The contractor or his authorized representative may take away the duplicate page of the Work Order Book for his own record and guidance.

In Case of supplementary items or of claims may not be entertained unless supported by entries in the Work Order Book or any written order from the Tender Accepting Authority.

The first page of the Work Order Book shall contain the following particulars:

- a) Name of the Work
- b) Reference to contract number
- c) Contractual rate in percentage
- d) Date of opening of the Work Order Book
- e) Name and address of the Contractor
- f) Signature of the Contractor
- g) Name & address of the Authorized representative (if any of the contractor authorized by him)
- h) Specific purpose for which the contractor's representatives is authorized to act on behalf of the Contractor.
- i) Signature of the authorized representative duly attested by the Contractor.
- j) Signature of the Officer concerned.
- k) Date of actual completion of work.
- l) Date of recording final measurement.

Entries in (k) & (l) above shall be filled in on completion of the work and before the Work Order Book is recorded in the office of the B.D.A.

**Signature and address
of the Tenderer**

**Signature of Tender
Accepting Authority**

CLEARING MATERIALS :

Before starting any work, work site, where necessary, must be properly dressed after cutting clearing all varieties of jungles shrubs, bamboo clusters or any undesirable vegetation from the alignment or site of works on completion of works all temporary structure or obstruction including some pipes in underground work, if any, must also be removed. All scars of construction shall be obliterated and the whole site shall be left in a clear and neat manner to the satisfaction of the Executive Engineer. No separate payment shall be made for all these works, the cost thereof being deemed to have been included in the rates of various items of works quoted by the contractor in the schedule of probable items of works.

SUNDRY MATERIALS :

The contractor must erect temporary pillars, master pillars etc. as may be required in suitable places as directed by the Executive Engineer at his own cost before starting and during the work by which the departmental staff will check levels layout different works and fix up alignment and the contractor shall have to maintain and protect the same till completion of the work. All petty and sundry material like, pegs, strings, nails flakes instruments etc. and also skill labour require for setting out the levels for laying out difference structures and alignment shall also be supplied by the contractor at his own cost.

SUPPLEMENTARY/ADDITIONAL ITEM OF WORKS :

Notwithstanding the provisions made in the related printed tender Form (if any) any item of the work which can be legitimately be considered as not stipulated in the specific schedule of probable items of work but has become necessary as a reasonable contingent item during actual execution of work will have to be done by the Contractor if so, directed by EIC and the rates will be fixed with manner as stated below:-

- (a) Rate of supplementary items shall be analyzed to the maximum extent possible from rates of the allied items of work appearing in the P.W. (Roads) Department schedule of rates of probable items of work forming part of tender document.
- (b) In Case, extra items do not appear in the Public Works Department (WB) Schedule of Rates for building works materials and labor, sanitary & plumbing works, such items for the works shall be paid at the rates entered in the Public Works Department (Roads) Schedule of Rates for the working area.
- (c) If the rates of the supplementary items cannot be computed even after applications of clauses stated above, the same shall be determined by analyses from market rates of material, labor and carriage cost prevailing at the time of execution of such items work. Profit and overhead charges (both together) at 10% (Ten percent) will be allowed, the contractual percentage will not be applicable.
- (d) Black-market rates shall never be allowed.
- (e) Contractual percentage shall only be applicable with regard to the portions of the analysis based on clauses (a) & (b) stated above only.

It may be noted that the cases of supplementary items of claim shall not be entertained unless supported by entries in the Work Order Book or any written order from the tender.

**Signature and address
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**Signature of Tender
Accepting Authority**

COVERED UP WORKS :

When one item of work is to be covered up by another item of work the latter item shall not be done before the formal Item has been measure up and has been inspected by the Executive Engineer or Assistant Engineer, as the authorized representatives of the Chief Executive Officer and order given by him or proceeding with the latter item of work.

APPROVAL OF SAMPLE :

Samples of all materials to be supplied by the contractor and to be used in the work shall have to be approved by the Executive Engineer and checking the quality of such materials shall have to be done by the concerned Department prior to utilization in work.

WATER AND ENERGY :

The contractor shall have to arrange for their own source of energy for operation of equipments and machineries, driving of pumping set, illuminating work site, office etc. that may be necessary in difference stages of execution of work. No facility of any sort will be provided for utilization of the departmental sources of energy existing at site of work. Arrangement for obtaining water for the work should also be made by the contractor at his own cost. All cost for getting energy and / or for any purpose whatsoever will have to be borne by the contractor for which no claim will be entertained.

All materials and Tools and Plants and all labour (skilled and unskilled) including their housing, water supply, sanitation, light, procurement of food staff, medical aid etc. are to be arranged for by the contractor. The cost of transport of labour, materials and all items as aforesaid shall also have to be borne by the Contractor

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DRAWINGS :

All works shall be carried out in conformity with the drawings supplied by this Authority. The Contractor shall have to carry out all the works according to the Authority general arrangement drawing and detail working drawings to be supplied by the Authority from time to time.

SERVICEABLE MATERIALS:

The responsibility for stacking the serviceable materials obtained during dismantling of existing structure/road (to be decided by the Executive Engineer) and handling over the same to the Executive Engineer of work of this Authority lies with the contractor and nothing will be paid on this account. In case of any loss or damage of serviceable materials prior to handling over the same to this Authority, full value will be recover from the Contractor's bill at rates as will be assessed by the Executive Engineer.

UNSERVICEABLE MATERIALS :

The Contractor shall remove all unserviceable materials, obtained during execution at place as directed. The contractor shall dress up and clear the work site after completion of work as per direction of the Executive Engineer. No extra payment will be made on this account.

CONTRACTOR'S RISK FOR LOSS OR DAMAGE :

All risk on account of Railway or Road carriage or carriage by boat including loss or damage of vehicles boats, barges materials or labour will have to be borne by the contractor.

IDLE LABOUR :

Whatever the reasons may be no claim or idle labour, enhancement of labour rate additional establishment cost, cost of TOLL and hire and labour charges of tools and plants Railway freight etc. would be entertained under any circumstances.

CHARGES AND FEES PAYABLE BY CONTRACTOR :

a) The contractor shall be all notices and pay all fees required to be given or paid by any statute or any regulation or by law and any local or other statutory authority which may be applicable to the works and shall keep the Authority against all penalties and liability of every kinds for breach of such statute regulation or law.

b) The Contractor shall have save harmless and indemnify the Authority from and against all claims demands suit and proceedings for or an account of infringement of any patent rights design, trade mark of name of other protected write in respect of any constructional Plant machine, work, materials, thing or process used for or in connection with works or temporary works or any of them.

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ISSUE OF TOOLS AND PLANTS :

All Tools and Plants required for the work will have to be supplied by the Contractor at his own cost, all cost of fuel and stores for proper running of the Tools and Plants must be borne by the Contractor.

REALISATION OF DEPARTMENTAL CLAIMS :

Any some of money due and payable to the contractor (including security deposit returnable to him) under this contract may be appropriated by the Government and set off against any claim of Government for the payment of sum of money arising out of these contract or under any other contract made by the contractor with the Government.

COMPLIANCE OF DIFFERENT ACTS :

The contractor shall comply with the provisions of the Apprentices Act, 1961, Minimum Wages Act, 1848. Contact Labour (Regulation and Abolition) Act 1970 and the rules and orders issued hereunder from time to time. If he fails to do so, his and Chief Executive Officer, BDA may at his discretions, take necessary measure over the contract.

The Contractor shall also make himself for any pecuniary liabilities arising out on account of any violation of the provision of the said Act(s). The Contractor must obtain **necessary certificate and license from the concerned Registering Office** under the Contract Labor (Regulation & Abolition) Act, 1970.

The contractor shall be bound to furnish the Chief Executive Officer all the returns particulars or date as are called for from time to time in connection with implementation of the provisions of the above Acts and Rules and timely submission of the same, failing which the contractor will be liable for breach of contract and the C.E.O. may at his discretion take necessary measures over the contract.

COMMENCEMENT OF WORK :

The work must be taken up within the date as stipulated in the work order and completed in all respects within the period specified in Notice Inviting Tender.

ASSIGNMENT AND SUB-LETTING OF CONTRACT:

After award of the contract, sub-letting of the entire work or a part thereof by the contractor shall not be allowed without the prior written consent of the tender accepting authority. Such consent, if given, shall not relieve the contractors from any liability and obligation under the contract and he shall be responsible for the acts, defaults and neglects of any of his sub-setting of work.

CANVASSING:

Canvassing in connection with tender is strictly prohibited and the tender submitted by the contractors who resort to canvassing will be liable for rejection.

PROGRAMME OF WORK :

Before actual commencement of work the contractor shall submit a programme of construction of work clearly showing the materials men and equipments. The contractor will submit a programme of construction in the pattern of Bar Chart or Critical Path Method and a time table divided into four equal periods of progress of work to complete the work within the specific period for approval of the Executive Engineer who reserves the right to make addition, alterations and substitutions to such programme in consultation with the contractor and such approved programme shall be adhered to by the contractor unless the same is subsequently found impracticable in part or full in the opinion of the Executive Engineer and is modified by him. The contractor must pray in writing, showing sufficient reasons therein, for modification of programmed. The conditions laid down in clause 2 of the printed tender form regarding the division of total period and progress to work and the time table therefore as provided in the said clause shall be deemed to have been sufficiently complied with it the actual progress of work does not fall short of the progress laid down in the approved time table for one fourth, half and three fourth of time allowed for the work.

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SETTING OUT OF THE WORK :

The contractor shall be responsible for the true and perfect setting out of the work and for the correctness of the position, levels, dimensions and alignments of all parts of work, if any, rectification or adjustment becomes necessary the contractor shall have to do the same at his own cost according to the direction of the Executive Engineer during progress of works, if any, error appears or arise in respect of position, level, dimensions or alignment of any part of the work contractor shall at his own cost rectify such defects to the satisfaction of the Executive Engineer. Any setting out that may be done or checked by either of them shall not in any way relieve the contractor or their responsibility for correctness thereof.

PRECAUTIONS DURING WORKS :

The contractor shall carefully execute the work without disturbing or damaging underground or overhead service utilities viz. Electricity, Telephones, Gas, Water pipes, Sewers etc. in case disturbances of service utilities is found unavoidable the matter should immediately be brought to the notice of the EIC and necessary precautionary measures as would be directed by the EIC shall be carried out at the cost and expenses of the contractor. If the service utilities are damaged or disturbed in any way by the contractor during execution of the work, the cost of rectification or restoration of damages as would be fixed by the Chief Executive Officer of the concerned will be recovered from the contractor.

NIGHT WORK :

The contractor shall not ordinarily be allowed to execute the work at night. The contractor may however, have to execute the work at night, if instructed by the Executive Engineer. For true technical or emergent reasons the work may require to be executed during the night also according to the instruction of the Executive Engineer. In that case the contractor shall have to arrange for separate set of labour with sufficient and satisfactory lighting arrangement for the night work. No extra payment whatever, in this respect will be made to the contractor.

**Signature and address
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Accepting Authority**

TESTING OF QUALITIES OF MATERIALS & WORKMANSHIP:

All materials and workmanship shall be in accordance with the specifications laid down in the contract and also as per M.O.R.T. & H's specification for Road and Bridge Works and IS codes and the Executive Engineer reserves the right to test, examine and measure the materials/workmanship direct at the place of manufacture, fabrication or at the site of works or any suitable place. The contractor shall provide such assistance, instrument machine, labour and materials as the Executive Engineer may require for examining, measuring and testing the works and quality, weight or quantity of materials used and shall supply samples for testing as may be selected and required by the Executive Engineer without any extra cost. Besides this, he will carry out tests from outside Laboratory as per instruction of Executive Engineer. The cost of all such tests would be borne by the agency.

TIMELY COMPLETION OF WORK:

All the supply and the work must have to be completed in all respects within the time specified in Notice Inviting Tender from the date of work order. Time for completion as specified in the tender shall be deemed to be the essence of the contract.

PROCUREMENT OF MATERIALS:

All materials required for complete execution of the work shall be supplied by the contractor after procurement from authorized and approved source.

REJECTION MATERIALS :

All materials brought to the site must be approved by the Executive Engineer. Rejected materials must be removed by the Contractor from the site within 24 hours of the issue of order to that effect. In case of non-compliance of such order, the Executive Engineer shall have the authority to cause such removal at the cost and expense of the contractor and the contractor shall not be entitled to claim for any loss or damage of that account.

IMPLIED ELEMENTS OF WORK IN ITEMS :

Except of such items as are included in the Specific Priced Schedule of probable items and approximate quantities no separate charges shall be paid for traffic control measures, shoring, shuttering, dewatering, curing etc. and the rates of respective items or works are to be deemed as inclusive of the same.

DAMAGED CEMENT:

Any cement lying at contractor's custody which is found at the time of use to have been damaged shall be rejected and must immediately be removed from the site by the contractor or disposed of as directed by Executive Engineer at the costs and expenses of the contractor.

FORCE CLOSURE :

In case of force closure or abandonment of the works by the Authority the contractor will be eligible to be paid for the finished work and reimbursement of expenses actually incurred but not for any losses.

**Signature and address
of the Tenderer**

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TENDER'S RATE :

The contractor should note that the tender is strictly based on the rates quoted by the Contractor on the priced schedule of probable item of work. The quantities for various other items of works as shown in the priced schedule of probable items of works are based on the drawing and design prepared by the Authority. If variations become necessary due to design consideration and as per actual site conditions, those have to be done by the contractor at the time of execution at the rate prescribed in the tender clause. **No conditional rate will be allowed in any case.**

DELAY DUE TO MODIFICATION OF DRAWING AND DESIGN :

The contractor shall not be entitled for any compensation for any loss suffered by him due to delays arising out of modification of the work due to non-delivery of the possession of site.

ADDITIONAL CONDITIONS :

A few additional conditions under special terms and conditions.

- a) Rate quoted shall be inclusive of clearing site including removal of surplus earth, rubbish, materials etc. as per direction of the EIC.
- b) Rate quoted shall be inclusive of West Bengal Sales Tax, Income Tax Octroi and all other duties, if any.
- c) Display board to size 150cm X 90cm is to be provided at site of work with Sal Bullah Post to a height of 1.5 Metre at the cost of the contractor including insertion as directed by the Assistant Engineer.
- d) The Contractor is to display caution board at his cost.
- e) Deep excavation of trenches and left out for days should be avoided.
- f) The Contractor or supplier should not import into West Bengal on competitive price basis.
- g) The whole work will have to be executed as per Authority drawings available in this connection at the tender rate.
- h) As per Finance (Taxation) Department of Income Tax Will be made from each bill of the contractor as per applicable rate in force.

PAYMENT OF BILLS:

As mentioned in the NIT.

REFUND OF SECURITY DEPOSIT :

As mentioned in Vol I, Sec A, Instruction to Bidders.

ARBITRATION :

There shall be no provision for Arbitration under this contract, Provision under clause of 2911 is thus considered deleted.

**Signature and address
of the Tenderer**

**Signature of Tender
Accepting Authority**

DECLARATION BY THE TENDERER

I/We have inspected the site of work and have made myself/ourselves fully acquainted with local conditions in and around the site of work. I /We have carefully gone through the Notice Inviting Tender and other tender documents mentioned therein along with the drawing attached. I/We have also carefully gone through the 'Priced schedule of Probable Items and Quantities'.

My/Our tender is offered taking due consideration of all factors regarding the local site conditions stated in this Detailed Notice Inviting Tender to complete the proposed construction as per drawings referred to above in all respects.

I/We promise to abide by all the stipulations of the contract documents and carry out and complete the work to the satisfaction of the Authority.

I/We also agree to procure tools and plants, at my/our cost required for the work.

Signature of Tenderer

Postal address of the Tenderer

ESTIMATE

Construction of Ghat and fencing work of pond in front of Burdwan Institute of Medical and Life Sciences (BIMLS) beside Golapbag Road, Burdwan.

Sl No	Description of Item	Unit	Quantity	Rate (Rs)	Amount (Rs)
1	Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete. (a) Depth of excavation not exceeding 1,500 mm.	Cum	18.00	119.27	2146.86
2	Filling in foundation or plinth by fine sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on measurement of finished quantity)	Cum	15.00	648.06	9720.90
3	Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand.	Sqm	60.00	324.00	19440.00
4	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement, if any, in ground floor as per relevant IS codes. a) Pakur Variety	Cum	5.00	4777.86	23889.30
5	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes. (i) Pakur Variety	Cum	25	5343.62	133590.50
6	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction. a) For works in foundation and upto roof of ground floor/upto 4 m II. Other than SAIL/ TATA/RINL	M.T.	1.30	54768.10	71198.53
7	M.S. structural works in columns, beams etc. with simple rolled structural members (e.g. joists, angle, channel sections conforming to IS: 226, IS: 808 & SP (6)- 1964 connected to one another with bracket, gussets, cleats as per design, direction of Engineer-in charge complete including cutting to requisite shape and length, fabrication with necessary bolting, metal arc welding conforming to IS: 816- 1969 & IS: 1995 using electrodes of approved make and brand conforming to IS:814- 2004, haulage, hoisting and erection all complete. The rate includes the cost of rolled steel section, consumables such as electrodes, gas and hire charge of all tools and plants and labour required for the work including all incidental chages such as electricity charges, labour insurance charges etc. 1) For structural members of specified sections weighir:g less than 22.5 Kg./m	M.T.	1.00	59119.00	59119.00

	Description of Item	Unit	Quantity	Rate (Rs)	Amount (Rs)
8	Supplying, fitting, fixing, Chain link fencing of approved quality with R.C.C posts wooden posts or iron posts by means of galvanised "C" clips to grid of horizontal strands of galvanised high tensile spring steel wire of 12 S.W.G which have to be tensioned and fixed to the vertical posts by means of galvanised special clips, bolts and nuts etc. (The rate is exclusive of the cost of posts) (I) 50 mm. x 50 mm. x 8 g	Sqm	225.00	414.00	93150.00
9	Brick work with sand and cement mortar (6:1) including cost of scaffolding and other incidental Work etc. complete as per specification.b) In foundation and plinth	Cum	5.00	4812.00	24060.00
10	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface] ii) With 1:4 cement mortar (a) 20 mm thick plaster	Sqm	140.00	172.00	24080.00
11	Priming one coat on timber or plastered surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc	Sqm	70	38.00	2660.00
12	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	Sqm	225.00	29.00	6525.00
13	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary :(a) On timber or plastered surface :With other than hi-gloss of approved qualityiv) Two coats (with any shade except white)	Sqm	70.00	75.00	5250.00
14	Supplying& laying 20 mm designer chequered tiles of any shade and of approved quality as per IS: 1237: 1980 laid in patterns as directed in pavement, footpath including necessary underlay 25 mm thick average cement mortar (1:3) complete in all respect with all labour and materials [using cement slurry @ 4.4 kg/Sq.m at back side of tiles. Cement of mortar & slurry will be supplied by the Department. Border concrete if necessary to be paid separately].	Sqm	40	811.00	32440.00
15	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary :(a) On metal surface :With other than hi-gloss of approved qualityiv) Two coats (with any shade except white)	Sqm	225.00	79.00	17775.00
Total					525045.09
Add GST @ 12%					63005.41
Total with GST					588050.50
Add labour Cess @ 1%					5880.51
Total(Rs)					593931.01

Repairing of Road from Ravan School More to Nari under Burdwan I Burdwan Planning Area

All the rate as per Latest Schedule of Rates for PWD (W.B.) Volume-I,II

SL No.	Description of Items	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
1	Labour for picking up existing metalled road surface to a specified average depth, including screening and stacking the pavement materials. (a) For average depth up to 40 mm by manual means: (i) Stone-metal surface.	Sqm	1950.00	12.90	25155.00
2	Water Bound Macadam Base Course Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening / binding materials to fill up the interstices of coarse aggregate, watering including lighting, guarding, barricading and making necessary earthen bundh of one metre width on each side and preparing the bed by necessary cutting or filling, including cost of all materials and hire and labour charges of all men and machinery and compacting to the required density, as per Clause 404 of Specifications for Road & Bridge Works of MoRT&H (5th Revision). (i) Grading-I Aggregate (63 mm to 45 mm) Using Stone Screening Type B (11.2 mm) B. Manual Mears. [P-248; It-4.11(i)(b)] road schedule	Cum	75.00	3045.98	228448.50
3	Water Bound Macadam Base Course Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening / binding materials to fill up the interstices of coarse aggregate, watering including lighting, guarding, barricading and making necessary earthen bundh of one metre width on each side and preparing the bed by necessary cutting or filling, including cost of all materials and hire and labour charges of all men and machinery and compacting to the required density, as per Clause 404 of Specifications for Road & Bridge Works of MoRT&H (5th Revision). (ii) Grading-II Aggregate (53 mm to 22.4 mm) Using Stone Screening Type B (11.2 mm) [P-248; It-4.11(ii)(B)] road schedule	Cum	23.00	3128.51	71955.73
4	Providing and applying primer coat with Cationic Bitumen Emulsion of approved grade conforming to IS: 8887-1978 and requisite quantity on prepared surface of granular base including cleaning of road surface and spraying primer using Mechanical means including cost and carriage of bitumen emulsion and all other incidental costs of work complete as per Clause 502 of Specifications for Road & Bridge Works of MoRT&H (5th Revision). i) For WBM / WMM Surface: (with primer @ 0.70-1.0 kg/sqm) [P- 251; It-5.01 (i)](Volume III: Road & Bridge Works).	Sqm	1950.00	36.23	70648.50
5	Providing and applying tack coat with Cationic Bitumen Emulsion of approved grade conforming to IS: 8887-1973 on the prepared surface cleaned with Hydraulic broom, moistening the surface including cost and carriage of emulsion, hire charges of machinery and labour, cost of fuel and lubricants all complete as per Clause 503 of Specifications for Road & Bridge Works of MoRT&H (5th Revision). (ii) On Granular surfaces treated with primer (Using Bitumen emulsion at the rate of 0.25 to 0.30 kg per sqm.) (Volume III: Road & Bridge Works) [P- 251; It- 5.02 (ii)]	Sqm	1950.00	11.49	22405.50

6	Open-Graded Premix Surfacing using Bituminous (Viscosity grade Paving Bitumen / Modified bitumen) Binder and Mobile Hot Mix Plant (Light Duty) Providing, laying and rolling of Open - graded premix surfacing of 20 mm thickness composed of 13.2 mm (@ 0.018 m ³ per m ²) and 11.2 mm (@ 0.009 m ³ per m ²) size stone aggregates, including thoroughly cleaning of the surface, screening, cleaning and pre-heating stone chips and fully pre-coating the same either using viscosity grade paving bitumen or cut-back or emulsion, carrying the mixture by any suitable arrangements, laying the mixture uniformly over the surface, including line, grade and level to serve as wearing course on a previously prepared base, including mixing in Mobile Hot Mix Plant (Light Duty) and thoroughly rolling with a smooth wheeled roller 8-10 tonne capacity, finished to required level and grades including the cost and carriage of stone chips and matrix, heating the matrix, preheating the aggregates to required temperature and including the hire charges of Mobile Hot Mix Plant (Light Duty) and other machinery, pay of operators, cost of fuel and lubricants etc. complete to be followed by seal coat of either Type A or Type B as per Technical Specification Clause 508 for Rural Roads of MORD. [P- 257; It- 5.11](Volume III: Road & Bridge Works).	Sqm	1950.00	136.49	266155.50
7	Providing and laying Premixed Seal Coat (Type B) with approved quality sand/grit @ 0.6 m ³ / 100 m ² and bitumen binder on thoroughly cleaned black top surface coated with tack coat, including heating and mixing cleaned sand/grit (100 % passing through 2.36 mm sieve and retained on 180 micron sieve) uniformly with bitumen binder, laying and spreading the mix at an uniform rate using suitable means, brushing the surface, if necessary, to ensure uniformity, followed by rolling with power roller including the cost and carriage of binder and aggregates, cost of heating the binder and aggregates and all other incidental charges, cost of fuel and lubricants, including hire charges of machineries, tools & plants required for construction and quality control complete as per Clause 511 of Specifications for Road & Bridge Works of MoRT&H(5th Revision). I By Mechanical Means (i) With Hot Bitumen Binder (@ 6.80 kg / 10 sqm.) [P-258; It- 5.13.b.1(i)]	Sqm	1950.00	47.61	92839.50
8	Construction of Shoulders B. Hard Shoulders Rate as applicable for sub-base and or base may be adopted as per approved design. i) For Construction of Sub Base by consolidating Jhama metal (63 mm to 45 mm) with moorum screening : Add cost at site of 1.09 m ³ of jhama metal and 0.26 m ³ of moorum screening (loose volume) to arrive at the consolidated rate.	Cum	47.00	2024.41	95147.27
9	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes. (i) Pakur Variety	Cum	6.00	4777.86	28667.16
SUB TOTAL					901422.66
(B.) Add 12 % G.S.T. OVER A					108170.72
(C.) Cost of civil works excluding labour welfare cess (A+B)					1009593.38
(D.) Labour welfare cess @1% on (C)					10095.93
Total					10,19,689.00

Construction of 300 mt. of boundary wall of UIT in the North-East side (Golapbag end)					
Sl.	Description of Items	Unit	Quantity	Rate	Amount
1	Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete. (a) Depth of excavation not exceeding 1,500 mm.	%Cum	120.000	11927.00	₹ 14,312.40
2	Earth work in filling in compound, tank, low land, ditches etc. with good earth, in layers not exceeding 150 mm. including breaking clods and consolidating the same by ramming and dressing complete. (Payment will be made on profile measurement before and after the work) (ii) With carried earth arranged by the contractor within a radius exceeding 3 km. but not exceeding 5 km. including the cost of carried earth.	%Cum	6.000	41958.00	₹ 2,517.48
3	Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on measurement of finished quantity) (B) Do - by fine sand	%Cum	12.000	54351.00	₹ 6,522.12
4	Supplying and laying Polythene Sheet (150gm / sq.m.) over damp proof course or below flooring or roof terracing or in foundation or in foundation trenches.	Sqm	120.000	24.00	₹ 2,880.00
5	Brick soling with picked jhama bricks including preparation of bed as necessary with brick joints properly filled in and packed with powdered earth and including necessary cushion of similar material below the soling (and in between layers when more than one layer is used) completes as per direction. (a) Single brick flat soling (thickness 75 mm.)	Sqm	75.000	312.00	₹ 23,400.00
6	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes. i) Pakur Variety	Cum	12.000	4722.62	₹ 56,671.44
7	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes. i) Pakur Variety	Cum	93.630	5356.08	₹ 5,01,489.77

Construction of 300 mt. of boundary wall of UIT in the North-East side (Golapbag end)					
Sl.	Description of Items	Unit	Quantity	Rate	Amount
8	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of groundfloor) (a) 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.	Sqm	216.000	328.00	₹ 70,848.00
9	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of groundfloor) f) 25 mm to 30 mm shuttering without staging in foundation	Sqm	40.000	205.00	₹ 8,200.00
10	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction. a) For works in foundation and upto roof of ground floor/upto 4 m (i) Tor steel/Mild Steel II. Other than SAIL/ TATA/RINL	M.T.	4.410	67006.15	₹ 2,95,495.31
11	Brick work with 1st class bricks in cement mortar (1:6) a) In foundation and plinth	Cum	121.500	4812.00	₹ 5,84,658.00
12	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface] (i) With 1:6 cement mortar (b) 20 mm thick plaster	Sqm	1155.000	152.00	₹ 1,75,560.00
13	Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc. NOTE:Cement 0.152 cu.m per100 sq.m.	Sqm	270.000	34.00	₹ 9,180.00
14	Priming one coat on timber or plastered surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	Sqm	1155.000	38.00	₹ 43,890.00

Construction of 300 mt. of boundary wall of UIT in the North-East side (Golapbag end)					
Sl.	Description of Items	Unit	Quantity	Rate	Amount
15	(A) Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary : (a) On timber or plastered surface : (iii) One coat (with any shade except white)	Sqm	1155.000	54.00	₹ 62,370.00
16	(a) M.S.or W.I. Ornamental grill of approved design joints continuously welded with M.S, W.I. Flats and bars of windows,railing etc. fitted and fixed with necessary screws and lugs in ground floor. (i) Grill weighing above 10 Kg./sq.mtr and up to 16 Kg./sq. mtr.	Qntl	0.630	7238.00	₹ 4,559.94
17	(a) Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	Sqm	4.500	29.00	₹ 130.50
18	(A) Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary : (b) On steel or other metal surface : With other than hi-gloss of approved quality- (iv) Two coats (with any shade except white)	Sqm	4.500	72.00	₹ 324.00
19	Providing & fixing Concrete Sign Board as per IRC specification of size 900 x 750 x 37 mm. thick made with RCC 1:1½:3 with pakur variety stone chips reinforced with double layer IRC febric (75 x 75 mm. mesh) and fixed with necessary nuts & bolts on two RC precast posts 100 mm. x 150 mm. of height 2.65 m. of which top 750 mm. is of section 100 x 13 mm. and 1.90 metre above GL & 0.75 metre below GL including digging hole, repacking the same with cement concrete 1:3:6 with jhama khoa or with local stone chips etc. complete including painting two coats on both faces lettering sign marks etc. as per direction of the Engineer-in-Charge. (The rate is inclusive of cost of reinforcement, concrete, shuttering, nuts & bolts, washer etc. complete.)	each	1.000	2230.00	₹ 2,230.00
(A) Total =					₹ 18,65,238.96
(B) Add GST @ 12% on					₹ 2,23,828.68
(C) Cost of civil works excluding labour welfare cess (A + B)					₹ 20,89,067.64
(D) Add Worker's welfare cess @1% on C					₹ 20,890.68
Total=					₹ 21,09,958.31
Say					₹ 21,09,958.00

CONSTRUCTION OF PUCCA DRAIN AND ROAD FROM CHANDRACHUR BANERJEE HOUSE TO NETAJI NAGAR MAIN ROAD AT KESABGANJ CHOTI RAJBATI ,BELKASH G.P					
Sl No	Description of Items	Unit	Quantity	Rate	Amount
1	Box cutting or filling in Road embankment in all sorts of soil including spreading the spoils properly over the flank as necessary or on berm to approximate grade & camber and rolling the sub-grade with power roller to proper Camber and grade as per direction and satisfaction of Engineer-in-charge including uprooting and removing plants and jungles when and where necessary. (b) For each additional Depth of 150mm and part thereof.	Sqm	1020.00	14.40	₹ 14,688.00
2	Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on measurement of finished quantity) (b) Do by fine sand	%cum	122.00	54351.00	₹ 66,308.22
3	Brick soling with picked jhama bricks including preparation of bed as necessary with brick joints properly filled in and packed with powdered earth and including necessary cushion of similar material below the soling (and in between layers when more than one layer is used) completes as per direction. a) Single brick flat soling (thickness 75 mm.)	Sqm	1150.00	323.00	₹ 3,71,450.00
4	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement,if any, in ground floor as per relevant IS codes. a) Pakur Variety	cum	210.00	5343.62	₹ 11,22,160.20
5	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of groundfloor) f) 25 mm to 30 mm shuttering without staging in foundation	Sqm	383.00	205.00	₹ 78,515.00
6	Water Bound Macadam Sub Base Water Bound Macadam Sub Base by consolidating Jhama metal / Laterite chelly or stone metal / shingles of specific size in hard crust to requisite thickness (measured after compaction) in layers including screening of metals etc. as necessary, hand packing, sweeping, watering and rolling in stages with power roller to proper line, grade and camber, lighting, guarding & barricading and making necessary earthen bundh of one metre width on each side where necessary to protect edges and preparing the bed by necessary cutting or filling and rolling all complete including the cost of all materials and hire and labour charges of all men and machineries and compacting to the required density, as per Clause 404 of Specifications for Road & Bridge Works of MoRT&H (5th Revision). (i) For Construction of Sub Base by consolidating Jhama metal (63 mm to 45 mm) with moorum screening :	Cum	10.00	2083.33	₹ 20,833.30

7	Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete. a) depth of excavation not exceeding 1500 mm	mtr	138.00	119.27	₹ 16,459.26
8	Reinforcement (for reinforced concrete work) including distribution bars stirrups, Binders etc. Including supply of rods, Including straightening bend of any dia, cutting to requisite length, hooking and binding with 1.626mm black annealed wire at every intersection complete as per drawing direction including cost of wire (payment to be made on requirement of reinforcement as per drawing direction). (a) Tor steel/mid steel SAIL/TATA/RINL i) For works in foundation, basement and upto roof of ground floor/upto 4mts.	cum	1.85	54768.10	₹ 1,01,320.99
9	Brick work with 1st class bricks in cement mortar (1:6) (a) In foundation and plinth	cum	6.00	4812.00	₹ 28,872.00
10	Plaster (to wall, floor, ceiling etc) with sand and cement mortar including rounding off or chamfering corners as directed and racking out joints or roughening of concrete surface, including throating, nosing and drip course where necessary. (a) With (6:1) cement mortar, 20mm thick plaster(external plaster) i) In Ground floor (External)	Sqm	50.00	155.00	₹ 7,750.00
11	Providing & fixing Concrete Sign Board as per IRC specification of size 900 x 750 x 37 mm. thick made with RCC 1:1½:3 with pakur variety stone chips reinforced with double layer IRC febric (75 x 75 mm.mesh) and fixed with necessary nuts & bolts on two RC precast posts 100 mm. x 150 mm. of height 2.65m. of which top 750 mm. is of section 100 x 13 mm. and 1.90 metre above GL & 0.75 metre below GL including digging hole, repacking the same with cement concrete 1:3:6 with jhama khoa or with local stone chips etc. complete including painting two coats on both faces lettering sign marks etc. as per direction of the Engineer-in-Charge. (The rate is inclusive of cost of reinforcement, concrete, shuttering, nuts & bolts, washer etc. complete.)	Each	1.00	2230.00	₹ 2,230.00
(A) = Rs.=					₹ 18,30,586.97
(B) = ADD @ 15% OF MAINTANENCE COST OF 5 YEAR Rs.=					₹ 2,74,588.04
TOTAL=					₹ 21,05,175.01
(B) = Add GST @ 12% on (A)=					₹ 2,52,621.00
(C) Cost of civil works excluding labour welfare cess (A + B) =					₹ 23,57,796.01
(D) = Add Worker's welfare cess @1% on C=					₹ 23,577.96
Total=					₹ 23,81,373.97
Say Total					₹ 23,81,374.00

Development of Pirpukur at Sadhanpur Ambagan Ward No. 6 under Burdwan Municipality.

SI No	Description of Items	Unit	Quantity	Rate	Amount
1	Providing and constructing Temporary Island for construction of Well foundation. Construction of Temporary Island assuming depth of water 1.0 m and height of island upto 1.25m. by sand / dry soil filled cement / polyethylene bags and removal of the same after main construction activity. i) Area of Island between 100 m ² to 120 m ²	Each	2.00	23448.00	₹ 46,896.00
2	Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete. a) depth of excavation not exceeding 1500 mm	%Cum	113.00	11927.00	₹ 13,477.51
3	Earth work in filling in foundation trenches or plinth with good earth, in layers not exceeding 150 mm. including watering and ramming etc. layer by layer complete. (Payment to be made on the basis of measurement of finished quantity of work) (a) With earth obtained from excavation of foundation	%Cum	225.00	7754.00	₹ 17,446.50
4	(A) Filling in foundation or plinth by fine sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on measurement of finished quantity)	%Cum	90.00	64086.00	₹ 57,677.40
5	Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand.	Sqm	835.00	324.00	₹ 2,70,540.00
6	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement, if any, in ground floor as per relevant IS codes a) Pakur Variety	Cum	60.00	4777.86	₹ 2,86,671.60
7	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes. (i) Pakur Variety	Cum	73.00	5343.62	₹ 3,90,084.26
8	Reinforcement (for reinforced concrete work) including distribution bars stirrups, Binders etc. Including supply of rods, Including straightening bend of any dia, cutting to requisite length, hooking and binding with 1.626mm black annealed wire at every intersection complete as per drawing direction including cost of wire (payment to be made on requirement of reinforcement as per drawing direction). (a) Tor steel/mid steel Other than SAIL/TATA/RINL	MT	5.85	52816.59	₹ 3,08,977.05

9	Hire and labour charges for shuttering for building work for Concreting roof slab lintel beam etc. including provision of stout vertical props up to height of less than 3.6M of props cm incase of beam fitting fixing and striking out after completion of work as per specification. a) 25mm to 30mm thick wooden shuttering as per decision and direction of the engineer-in-charge.	Sqm	470.00	328.00	₹ 1,54,160.00
10	Brick work with sand and cement mortar (1:6) includinhg cost of scaffolding and other incidental Work etc. complete as per specification. b) In foundation and plinth	Cum	10.40	4812.00	₹ 50,044.80
11	Plaster (to wall, floor, ceiling etc) with sand and cement mortar including rounding off or chamfering corners as directed and racking out joints or roughening of concrete surface, includijng throating, nosing and drip course where necessary. (a) With (6:1) cement mortar, 20mm thick plaster(external plaster) i) In Ground floor (External)	Sqm	380.00	155.00	₹ 58,900.00
12	Supplying and laying chequered tiles of any shade & of approved quality with (1:1½:3) cement concrete laid in panels or patterns as directed in pavement, footpath etc. including necessary underlay 25 mm thick [avg] cement mortar (1:3) complete in all respect with all labour and materials. [Using cement slurry @ 4.4 kg/Sq.m at back side and @2.4 kg/Sq.m for joint filling] Red Variety (i) 25 mm. thick	Sqm	40.00	455.00	₹ 18,200.00
13	Applying decorative cement based paint of approved quality and brand after preparing the surface including scraping the surface throughly(plastered or concrete surface) as per direction of E.I.C. In Ground floor: (iii) Two coats.	Sqm	40.00	49.00	₹ 1,960.00
14	Dismantling all types of masonry excepting cement concrete plain or reinforced, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m. a) In ground floor including roof.	Cum	22.00	447.00	₹ 9,834.00

15	(b) 50 mm thick interlocking designer concrete paver block M-30 grade for non-traffic zone, buiding premises, garden, parks, domestic drive as per IS: 15658-2006(over 20-30 mm medium sand bed on 200mm thk bound gnaular /granular base course including cost of sand for sand bed but excluding cost of base course & subgrade preparation.) (ii) Coloured Decorative	Sqm	34.00	997.00	₹ 33,898.00
16	Removal of rubbish, earth etc. from the working site and disposal of the same beyond the compound, in conformity with the Municipal / Corporation Rules for such disposal, loading into truck and cleaning the site in all respect as per direction of Engineer in charge.	Sqm	32.00	166.00	₹ 5,312.00
17	Box cutting or filling in Road embankment in all sorts of soil including spreading the spoils properly over the flank as necessary or on berm to approximate grade & camber and rolling the sub-grade with power roller to proper camber and grade as per direction and satisfaction of Engineer-in-charge including uprooting and removing plants and jungles when and where necessary. (a) Depth up to 150 mm.	Sqm	485.00	14.40	₹ 6,984.00
18	M.S. or W.I. Ornamental grill of approved design joints continuously welded with M.S, W.I. Flats and bars of windows, railing etc. fitted and fixed with necessary screws and lugs in ground floor. (ii) Grill weighing above 16 Kg./sq.mtr and above	Qntl	42.00	7046.00	₹ 2,95,932.00
19	Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc. NOTE: Cement 0.152 cu.m per 100 sq.m.	Sqm	150.00	34.00	₹ 5,100.00
20	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc	Sqm	255.00	29.00	₹ 7,395.00
21	Priming one coat on timber or plastered surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc	Sqm	272.00	38.00	₹ 10,336.00
22	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary : On timber or plastered surface : With other than hi-gloss of approved quality iv) Two coats (with any shade except white)	Sqm	272.00	75.00	₹ 20,400.00

23	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary :On steel or other metal surface :With other than hi-gloss of approved qualityiv) Two coats (with any shade except white)	Sqm	255.00	72.00	₹ 18,360.00
24	Drum Sheet Walling 1.40m (av.) high on Sal-bullah / Eucalyptus bullah piling 10 cm dia. and 3.25m long driven 1.75m (av.) below G.L. and 75cm centre to centre including fitting fixing 3 nos. of half bullah pieces (from 10 cm dia) and drum(empty bitumen) sheet (approved condition) of height 1.5m , cutting and straightening drum sheet (each joint must have lap length of min.50mm) including cost of necessary nails, bolts, nuts etc. and providing 2 to 3m long half bullah ties of 10cm dia. @ 2.25 m centre to centre fixed with 10 cm dia. bullah posts driven 1.5m below G.L. including cost of all materials and one coat of coal tarring to all bullah etc. complete as per direction. (i) Using Eucalyptus bullah	Mtr	280.00	1244.00	₹ 3,48,320.00
25	Providing & fixing Concrete Sign Board as per IRC specification of size 900 x 750 x 37 mm. thick made with RCC 1:1½:3 with pakur variety stone chips reinforced with double layer IRC febric (75 x 75 mm.mesh) and fixed with necessary nuts & bolts on two RC precast posts 100 mm. x 150 mm. of height 2.65m. of which top 750 mm. is of section 100 x 13 mm.and 1.90 metre above GL & 0.75 metre below GL including digging hole, repacking the same with cement concrete 1:3:6 with jhama khoa or with local stone chips etc. complete including painting two coats on both faces lettering sign marks etc. as per direction of the Engineer-in-Charge. (The rate is inclusive of cost of reinforcement, concrete, shuttering, nuts & bolts, washer etc. complete.)	Each	1.00	2230.00	₹ 2,230.00
(A) = Rs.					₹ 24,39,136.12
(B) = Add GST @ 12% on (A)					₹ 2,92,696.33
(C) = Cost of civil works excluding labour welfare cess (A + B)					₹ 27,31,832.46
(D) = Add Worker's welfare cess @1% on C					₹ 27,318.32
Total					₹ 27,59,150.78
Say Total Rs.					₹ 27,59,151.00

Construction of Bituminous Road from Krishnapur to Rayan, Under Rayan -1 G.P.

SL No.	Description of Items	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
1	Compacting original ground supporting embankment Loosening, Leveling and Compacting original ground supporting embankment to facilitate placement of first layer of embankment, scarified to a depth of 150 mm, mixed with water at OMC and then compacted by rolling so as to achieve minimum dry density as given in Tables 300.1 and 300.2 for embankment construction as per Clause 305.3.4 of Specifications for Road & Bridge Works of MoRT&H (5th Revision).	Cum	405.000	24.10	9760.50
2	Granular Sub-base with Graded Material B. By Mix in Place Method : Construction of granular sub-base by providing graded material, mixing by mix in place method with Rotavator at OMC, spreading in uniform layers with Motor grader on prepared surface in proper grade and camber, compacting with vibratory roller to achieve the desired density, including lighting, guarding, barricading, including cost of all materials, machinery, tools and plants including cost of quality control complete as per Clause 401 of Specifications for Road & Bridge Works of MoRT&H (5th Revision). (v) Grading – III	Cum	270.00	1434.76	387385.20
3	Water Bound Macadam Base Course Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening / binding materials to fill up the interstices of coarse aggregate, watering including lighting, guarding, barricading and making necessary earthen bundh of one metre width on each side and preparing the bed by necessary cutting or filling, including cost of all materials and hire and labour charges of all men and machinery and compacting to the required density, as per Clause 404 of Specifications for Road & Bridge Works of MoRT&H (5th Revision). (i) Grading-I Aggregate (63 mm to 45 mm) Using Stone Screening Type B (11.2 mm) B. Manual Means.	Cum	202.50	2183.60	442179.00
4	Water Bound Macadam Base Course Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening / binding materials to fill up the interstices of coarse aggregate, watering including lighting, guarding, barricading and making necessary earthen bundh of one metre width on each side and preparing the bed by necessary cutting or filling, including cost of all materials and hire and labour charges of all men and machinery and compacting to the required density, as per Clause 404 of Specifications for Road & Bridge Works of MoRT&H (5th Revision). (ii) Grading-II Aggregate (53 mm to 22.4 mm) Using Stone Screening Type B (11.2 mm)	Cum	202.50	2206.96	446909.40
5	Providing and applying primer coat with Cationic Bitumen Emulsion of approved grade conforming to IS: 8887-1978 and requisite quantity on prepared surface of granular base including cleaning of road surface and spraying primer using Mechanical means including cost and carriage of bitumen emulsion and all other incidental costs of work complete as per Clause 502 of Specifications for Road & Bridge Works of MoRT&H (5th Revision).. i)For WBM / WMM Surface: (with primer @ 0.70-1.0 kg/sqm)	Sqm	2700.00	29.24	78948.00

	Description of Items	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
6	Providing and applying tack coat with Cationic Bitumen Emulsion of approved grade conforming to IS: 8887-1978 on the prepared surface cleaned with Hydraulic broom, moistening the surface including cost and carriage of emulsion, hire charges of machinery and labour, cost of fuel and lubricants all complete as per Clause 503 of Specifications for Road & Bridge Works of MoRT&H (5th Revision). (ii) On Granular surfaces treated with primer (Using Bitumen emulsion at the rate of 0.25 to 0.30 kg per sqm.)	Sqm	2700.00	10.27	27729.00
7	Bituminous Macadam using Mobile Hot Mix Plant (Light Duty) Providing and laying bituminous macadam with Mobile Hot Mix Plant (Light Duty) using approved crushed aggregates of specified grading as per Table 500.7 premixed with bituminous binder, transported to site laid over a previously prepared surface at specified laying temperature by means of approved and suitable arrangements to the required grade, level and alignment and rolled with suitable power roller for break down, inter-mediate and finished rolling as per specification to achieve the desired compaction including cost and carriage of stone materials and bitumen, hire charges of machinery and equipment, cost of fuel and lubricants and wages of operational staff, quality control complete as per Specifications for Road & Bridge Works of MoRT&H (5th Revision). B. For Grading 2 (19 mm nominal size, 50-75 mm thick.)	Sqm	135.00	5476.58	739338.30
8	Providing and applying tack coat with Cationic Bitumen Emulsion of approved grade conforming to IS: 8887-1978 on the prepared surface cleaned with Hydraulic broom, moistening the surface including cost and carriage of emulsion, hire charges of machinery and labour, cost of fuel and lubricants all complete as per Clause 503 of Specifications for Road & Bridge Works of MoRT&H (5th Revision). (i) On Bituminous Surface (Using Bitumen Emulsion at the rate of 0.20 to 0.30 kg per sqm.) Above Bituminous Macadam before laying of Premix.	Sqm	2700.00	9.46	25542.00
9	Open-Graded Premix Surfacing using Bituminous (Viscosity grade Paving Bitumen / Modified bitumen) Binder and Mobile Hot Mix Plant (Light Duty) Providing, laying and rolling of Open - graded premix surfacing of 20 mm thickness composed of 13.2 mm (@ 0.018 m ³ per m ²) and 11.2 mm (@ 0.009 m ³ per m ²) size stone aggregates, including thoroughly cleaning of the surface, screening, cleaning and pre-heating stone chips and fully pre-coating the same either using viscosity grade paving bitumen or cut-back or emulsion, carrying the mixture by any suitable arrangements, laying the mixture uniformly over the surface, including line, grade and level to serve as wearing course on a previously prepared base, including mixing in Mobile Hot Mix Plant (Light Duty) and thoroughly rolling with a smooth wheeled roller 8-10 tonne capacity, finished to required level and grades including the cost and carriage of stone chips and matrix, heating the matrix, preheating the aggregates to required temperature and including the hire charges of Mobile Hot Mix Plant (Light Duty) and other machinery, pay of operators, cost of fuel and lubricants etc. complete to be followed by seal coat of either Type A or Type B as per Technical Specification Clause 508 for Rural Roads of MORD.	Sqm	2700.00	106.34	287118.00
10	Providing and laying Premixed Seal Coat (Type B) with approved quality sand/grit @ 0.6 m ³ / 100 m ² and bitumen binder on thoroughly cleaned black top surface coated with tack coat, including heating and mixing cleaned sand/grit (100 % passing through 2.36 mm sieve and retained on 180 micron sieve) uniformly with bitumen binder, laying and spreading the mix at an uniform rate using suitable means, brushing the surface, if necessary, to ensure uniformity, followed by rolling with power roller including the cost and carriage of binder and aggregates, cost of heating the binder and aggregates and all other incidental charges, cost of fuel and lubricants, including hire charges of machineries, tools & plants required for construction and quality control complete as per Clause 511 of Specifications for Road & Bridge Works of MoRT&H (5th Revision). I By Mechanical Means (i) With Hot Bitumen Binder (@ 6.80 kg / 10 sqm.) [P-258; It- 5.13.b.1(i)]	Sqm	2700.00	38.11	102897.00

	Description of Items	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
	Construction of Shoulders				
11	B. Hard Shoulders Rate as applicable for sub-base and or base may be adopted as per approved design. i) For Construction of Sub Base by consolidating Jhama metal (63 mm to 45 mm) with moorum screening : Add cost at site of 1.09 m3 of Jhama metal and 0.26 m3 of moorum screening (loose volume) to arrive at the consolidated rate.	Cum	108.00	1922.49	207628.92
12	Earth work in filling in compound, tank, low land, ditches etc. with good earth, in layers not exceeding 150 mm. including breaking clods and consolidating the same by ramming and dressing complete. (Payment will be made on profile measurement before and after the work) (iii) With carried earth arranged by the contractor within a radius exceeding 5 km. but not exceeding 10 km. including cost of carried earth.	% Cum	729.00	51236.00	373510.44
13	Excavation for Structures Earthwork in excavation for foundation of structures upto 3 m depth as per drawing and technical specification Clause 1104 for Rural Roads of MORD including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material.	Cum	72.00	104.00	7488.00
14	Removing all types of Hume pipes and stacking within a lead of 1000 m including Earthwork and Dismantling of Masonry Works as per Technical Specification Clause 202 for Rural Roads of MORD. (a) Upto 600 mm dia Hume pipe	R.M.	40.00	154.00	6160.00
15	Bedding for Pipe i) Type A (Concrete Cradle) Bedding Laying concrete cradle bedding with M15 nGrade Cement Concrete as per Clause 1105 (i) for Rural Roads of MOR	Cum	10.00	4934.52	49345.20
16	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row Providing and laying reinforced cement concrete pipe NP3 with spigot socket for culverts on first class bedding of granular material in single row including fixing with cement mortar 1:2 as per Technical Specification Clause 1106 for Rural Roads of MORD. (F) 600 mm dia	R.M.	40.00	2753.44	110137.60
17	Providing & fixing Concrete Sign Board as per IRC specification of size 900 x 750 x 37 mm. thick made with RCC 1:1½:3 with pakur variety stone chips reinforced with double layer IRC febric (75 x 75 mm.mesh) and fixed with necessary nuts & bolts on two RC precast posts 100 mm. x 150 mm. of height 2.65m. of which top 750 mm. is of section 100 x 13 mm.and 1.90 metre above GL & 0.75 metre below GL including digging hole, repacking the same with cement concrete 1:3:6 with Jhama khoa or with local stone chips etc. complete including painting two coats on both faces lettering sign marks etc. as per direction of the Engineer-in-Charge. (The rate is inclusive of cost of reinforcement, concrete, shuttering, nuts & bolts, washer etc. complete.)	Each	1.00	2230.00	2230.00
SUB TOTAL					3304306.56
(B.) Add 12 % G.S.T. OVER A					396516.79
(C.) Cost of civil works excluding labour welfare cess (A+B)					3700823.35
(D.) Labour welfare cess @1% on (C)					37008.23
Total (C + D)					3737832.00

Construction of Boundary Wall including front gate of the Burdwan Homoeopathic Medical College & Hospital

Sl.	Description of Items	Unit	Quantity	Rate	Amount
1	Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete. (a) Depth of excavation not exceeding 1,500 mm.	%Cum	169.200	11927.00	₹ 20,180.48
2	Earth work in filling in compound, tank, low land, ditches etc. with good earth, in layers not exceeding 150 mm. including breaking clods and consolidating the same by ramming and dressing complete. (Payment will be made on profile measurement before and after the work) (ii) With carried earth arranged by the contractor within a radius exceeding 3 km. but not exceeding 5 km. including the cost of carried earth.	%Cum	42.300	41958.00	₹ 17,748.23
3	Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on measurement of finished quantity) (B) Do - by fine sand	%Cum	14.100	54351.00	₹ 7,663.49
4	Supplying and laying Polythene Sheet (150gm / sq.m.) over damp proof course or below flooring or roof terracing or in foundation or in foundation trenches. [Page-47, Item-3, Building Schedule 2017]	Sqm	141.000	24.00	₹ 3,384.00
5	Brick soling with picked jhama bricks including preparation of bed as necessary with brick joints properly filled in and packed with powdered earth and including necessary cushion of similar material below the soling (and in between layers when more than one layer is used) completes as per direction. (a) Single brick flat soling (thickness 75 mm.)	Sqm	105.500	312.00	₹ 32,916.00
6	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes. i) Pakur Variety	Cum	21.150	4722.62	₹ 99,883.41

Sl.	Description of Items	Unit	Quantity	Rate	Amount
7	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes. i) Pakur Variety	Cum	136.664	5356.08	₹ 7,31,983.32
8	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of groundfloor) (a) 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.	Sqm	270.000	328.00	₹ 88,560.00
9	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of groundfloor) f) 25 mm to 30 mm shuttering without staging in foundation	Sqm	422.000	205.00	₹ 86,510.00
10	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction. a) For works in foundation and upto roof of ground floor/upto 4 m (i) Tor steel/Mild Steel II. Other than SAIL/ TATA/RINL	M.T.	9.300	67006.15	₹ 6,23,157.20
11	Brick work with 1st class bricks in cement mortar (1:6) a) In foundation and plinth	Cum	50.750	4812.00	₹ 2,44,209.00
12	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface] (i) With 1:6 cement mortar (b) 20 mm thick plaster	Sqm	2658.600	152.00	₹ 4,04,107.20
13	Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc. NOTE:Cement 0.152 cu.m per100 sq.m.	Sqm	379.800	34.00	₹ 12,913.20
14	Priming one coat on timber or plastered surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	Sqm	2658.600	38.00	₹ 1,01,026.80

Sl.	Description of Items	Unit	Quantity	Rate	Amount
15	(A) Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary : (a) On timber or plastered surface : (iii) One coat (with any shade except white)	Sqm	2658.600	54.00	₹ 1,43,564.40
16	(a) M.S.or W.I. Ornamental grill of approved design joints continuously welded with M.S, W.I. Flats and bars of windows,railing etc. fitted and fixed with necessary screws and lugs in ground floor. (i) Grill weighing above 10 Kg./sq.mtr and up to 16 Kg./sq. mtr.	Qntl	6.090	7238.00	₹ 44,079.42
17	(a) Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	Sqm	17.400	29.00	₹ 504.60
18	(A) Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary : (b) On steel or other metal surface : With other than hi-gloss of approved quality- (iv) Two coats (with any shade except white)	Sqm	17.400	72.00	₹ 1,252.80
19	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor	Sqm	1021.000	660.00	₹ 6,73,860.00
20	Dismantling all types of masonry excepting cement concrete plain or reinforced, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m. a) In ground floor including roof	Cum	55.000	447.00	₹ 24,585.00
21	Supply and Fixing of 2 mm Polyvinyl glow sign board made of 22 SWG GI sheet box with 1"X1" aluminum channel for fixing the vinyl board after necessary cutting the letter as required & s\{ LED tube light fittings along with all accessories	Sqm	20.000	495.00	₹ 9,900.00
22	Supplying fitting and fixing in position 8 mm. to 12 mm. thick Dhulpur slab in wall, dado making suitable arrangement to hold the stone properly with approved polymerised adhesives (6 mm thick) as per ISI specification including pointing with cement mortar (1:2) (1 cement: 2 marble dust) with admixture of pigment matching the stone shades all complete as per direction of Engineer-in-charge including cost of all materials, labour, scaffolding, staging, curing complete [using white cement for pointing @ 2.4 kg/ Sq.m]. In ground floor	Sqm	30.000	1161.00	₹ 34,830.00

Sl.	Description of Items	Unit	Quantity	Rate	Amount
23	Providing & fixing Concrete Sign Board as per IRC specification of size 900 x 750 x 37 mm. thick made with RCC 1:1½:3 with pakur variety stone chips reinforced with double layer IRC febric (75 x 75 mm. mesh) and fixed with necessary nuts & bolts on two RC precast posts 100 mm. x 150 mm. of height 2.65 m. of which top 750 mm. is of section 100 x 13 mm. and 1.90 metre above GL & 0.75 metre below GL including digging hole, repacking the same with cement concrete 1:3:6 with jhama khoa or with local stone chips etc. complete including painting two coats on both faces lettering sign marks etc. as per direction of the Engineer-in-Charge. (The rate is inclusive of cost of reinforcement, concrete, shuttering, nuts & bolts, washer etc. complete.)	each	1.000	2230.00	₹ 2,230.00
				(A) Total =	₹ 34,09,048.55
				(B) Add GST @ 12% on	₹ 4,09,085.83
				(C) Cost of civil works excluding labour welfare cess (A + B)	₹ 38,18,134.38
				(D) Add Worker's welfare cess @1% on C	₹ 38,181.34
				Total=	₹ 38,56,315.72
				Say Total	₹ 38,56,316.00

Development and Beautification of Play Ground including other ancillary works in the premises of Sadhanpur Government Housing Complex, Ward No-10 under Burdwan Municipality.					
Sl No.	Description of Items	Unit	Quantity	Rate	Amount
1	Making lawns including ploughing and breaking of clod, removal of rubbish, dressing and supplying doobs grass roots and planting at 15 cm apart, including supplying and spreading of farm yard manure at rate of 0.18 cum per 100 sqm	Sq.m	4275.00	20.20	₹ 86,355.00
2	Dismantling all types of masonry excepting cement concrete plain or reinforced, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m. a) In ground floor including roof.	Cu.m	40.64	447.00	₹ 18,167.20
3	Dismantling all types of plain cement concrete works, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m. In ground floor including roof. a) upto 150 mm. thick	Cu.m	4.92	939.00	₹ 4,619.88
4	Clearing compound premises of shrubs, plants, jungles etc. by cutting and removing as directed (Specific permission of Engineer-in-Charge prior to execution will be necessary). (Payment to be made on area cleared)	Sq.m	5175.00	11.00	₹ 56,925.00
5	Surface Dressing of the ground in any kind of soil including removing vegetation inequalities not exceeding 15 cm depth and disposal of the rubbish within a lead upto 75 m as directed.	Sq.m	4482.80	10.00	₹ 44,828.00
6	Earth work in filling in compound, tank, low land, ditches etc. with good earth, in layers not exceeding 150 mm. including breaking clods and consolidating the same by ramming and dressing complete. (Payment will be made on profile measurement before and after the work) (ii) With carried earth arranged by the contractor within a radius exceeding 3 km. but not exceeding 5 km. including the cost of carried earth.	Cu.m	1282.50	419.58	₹ 5,38,111.35
7	Supplying and fixing grasses tiles of grass Maxican Carpet/Selection No. 1 Healthy & fresh grasses (size 1'x1' or bigger) including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn free from weeds and fit for mowing including supplying good earth as required by Engineer-in-charge. (Rate includes supply of labour, tools & plants including materials)	Sq.m	4275.00	201.42	₹ 8,61,070.50
8	Preparation of beds for hedging and shrubbery by excavating 60cm deep and trenching the excavated base to a further depth of 30cm, refilling the excavated earth after breaking clods and mixing with sludge or manure in the ratio of 8:1 (8 parts of stacked volume of earth after reduction by 20%, one part of stacked volume of sludge or manure after reduction by 8%), flooding with water, filling with earth if necessary watering and finally fine dressing, levelling etc., including stacking and disposal of materials declared unserviceable and surplus earth by spreading and levelling as directed, within a lead of 50m lift upto 1.5m complete. This includes supply of labour, tools & plants including materials. Planting hedge plants in two rows at 30cm apart	Sq.m	35.00	35.30	₹ 1,235.50
9	M.S. structural works in columns, beams etc. with simple rolled structural members (e.g. joists, angle, channel sections conforming to IS: 226, IS: 808 & SP (6)- 1964 connected to one another with bracket, gussets, cleats as per design, direction of Engineer-in-charge complete including cutting to requisite shape and length, fabrication with necessary bolting, metal arc welding conforming to IS: 816- 1969 & IS: 1995 using electrodes of approved make and brand conforming to IS:814- 2004, haulage, hoisting and erection all complete. The rate includes the cost of rolled steel section, consumables such as electrodes, gas and hire charge of all tools and plants and labour required for the work including all incidental chages such as electricity charges, labour insurance charges etc. Payment to be made on the basis of calculated weight of structural members only in finished work as per IS specified weight. Payment for gusset, bracket, cleat, rivets, bolts and nuts may be make by adding the actual weight of such items with the weight of finished structural members or 7% of weight for finished structural members weighing not less than 22.5 Kg. / m. or 15 % of weight for finished structral members weighing less than 22.5 Kg. / m. may be increased allow for bracket, cleat, rivet, bolts and nuts etc. and no seperate payment being made for these items, as per direction of Engineer In Charge. The rates are considered for a height of erection 8m. / 2nd floor level from the ground. Add 1.5% extra over the rate for each additional floor or 4m. beyond initial 8m. or part thereof. I) For structural members of specified sections weighing less than 22.5 Kg./m	M.T	20.43	59119.00	₹ 12,07,804.13
10	Square or hexagonal mesh netting made with 18 B.W.G. galvanised wire, fitted and fixed complete as per design (excluding the supporting framework but including local sal wood battens of size 37.5mmx25mm). In ground floor.(b) 25mm mesh	Sq.m	150.00	378.00	₹ 56,700.00
11	Supplying, fitting & fixing Zn-Al alloy (55% Al & 45% Zn) coating of 150 grams per sq. metre (followed by colour coated on both side) steel sheet work having minimum yield strength of 550 Mpa of trapizoidal profile of approved make (excluding the supporting frame work) fitted and fixed with 55 mm & 25 mm self tapping screw, EPDM Washer 16 mm dia & 3 mm th. washer etc. complete with 150 mm end lap and one corrugation minimum side lap. (Payment to be made on area of finished work).(i) In Roof:- a) With 0.5 mm thick sheet	Sq.m	110.00	896.00	₹ 98,560.00

SI No.	Description of Items	Unit	Quantity	Rate	Amount
12	Stripping off worn out plaster and raking out joints of walls, celings etc. upto any height and in any floor including removing rubbish within a lead of 75m as directed.	Sq.m	48.00	19.00	₹ 912.00
13	Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete. (a) Depth of excavation not exceeding 1,500 mm	Cu.m	82.19	119.27	₹ 9,802.56
14	Box cutting or filling in Road embankment in all sorts of soil including spreading the spoils properly over the flank as necessary or on berm to approximate grade & camber and rolling the sub-grade with power roller to proper camber and grade as per direction and satisfaction of Engineer-in-charge including uprooting and removing plants and jungles when and where necessary.(b) For each additional Depth of 150mm and part thereof.	Sq.m	199.08	33.40	₹ 6,649.27
15	Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on measurement of finished quantity)(B) Do - by fine sand	Cu.m	54.48	543.51	₹ 29,608.25
16	Brick soling with picked jhama bricks including preparation of bed as necessary with brick joints properly filled in and packed with powdered earth and including necessary cushion of similar material below the soling (and in between layers when more than one layer is used) completes as per direction. (a) Single brick flat soling (thickness 75 mm.)	Sq.m	382.12	324.00	₹ 1,23,806.88
17	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement,if any, in ground floor as per relevant IS codes. a) Pakur Variety	Cu.m	27.02	4777.86	₹ 1,29,107.33
18	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes. (i) Pakur Variety	Cu.m	19.75	5343.62	₹ 1,05,520.46
19	Brick work with 1st class bricks in cement mortar (1:6) (a) In foundation and plinth	Cu.m	52.95	4812.00	₹ 2,54,776.15
20	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface] (i) With 1:6 cement mortar(c) 15 mm thick plaster	Sq.m	350.72	134.00	₹ 46,996.48
21	Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc. NOTE:Cement 0.152 cu.m per100 sq.m.	Sq.m	168.00	34.00	₹ 5,712.00
22	Supplying and laying true to line and level Anti-Skid, Full Body, Homogeneous & Granular finish Vitrified Tiles conforming to IS:15622-2006 & IS 4457-2007 and testing shall be made in accordance with IS:13630 [Non-modular sizes for tiles with Skid resistance > 0.5, Mohr's hardness > 5.0, Staining resistance: Class-1, Water Absorption: E < 0.5%], MOR > 35 N/sq.mm in Internal area of building e.g. Toilet Block, Passage, Corridor, Accessible Open Terrace etc. set in 20 mm sand cement mortar (1:4) and 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg./Sq.m or using Polymerised Adhesive (6 mm thick layer applied directly over finished artificial stone floor/ Mosaic etc without any backing course) laid after application slurry using 1.75 Kg of cement per Sqm below mortar only, joints grouted with admixture of white cement and colouring pigment to match with colour of tiles/ epoxy grout materials of approved make as directed and removal of wax coating of top surface of tiles with warm water and polishing the tiles using soft and dry cloth upto mirror finish complete including the cost of materials, labour and all other incidental charges complete true to the manufacturer's specification and direction of Engineer-in-Charge. (White cement, synthetic adhesive and grout material to be supplied by the contractor). a) In Ground Floor: Sizes-300 mm x300mm x10 mm with breaking strength > 1200 N	Sq.m	229.64	897.00	₹ 2,05,987.08
23	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction.a) For works in foundation and upto roof of ground floor/upto 4 m II. Other than SAIL/ TATA/RINL	M.T.	1.24	52816.59	₹ 65,492.57
24	Priming one coat on steel or other metal surface with synthetic oilbound primer of approved quality including smoothening surfaces by sand papering etc	Sq.m	268.00	29.00	₹ 7,772.00
25	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary :On steel or other metal surface :With other than hi-gloss of approved qualityiv) Two coats (with any shade except white)	Sq.m	268.00	72.00	₹ 19,296.00
26	Wood work in door and window frame fitted and fixed in position complete including a protective coat of painting at the contact surface of the frame exluding cost of concrete, Iron Butt Hinges and M.S clamps. (The quantum should be correted upto three decimals).i) Other Local Wood.	Cu.m	0.057	36302.00	₹ 2,069.21
27	Glazed shutters of doors, windows, fan light, clerestory windows etc. as per design (with ordinary glass of 7.4kg./sq.m. 3mm. Thick) fitted with putty bed and teak wood bead and nails including fitting and fixing shutter in position but excluding the cost of hinges and other fittings. cost of glass, putty, wooded beads etc.will be paid separately. In ground floor. (i) 40mm thick shutters	Sq.m	1.44	1862.00	₹ 2,681.28

SI No.	Description of Items	Unit	Quantity	Rate	Amount
28	Supplying, Fitting & Fixing 30 mm thick Factory made moulded Door shutter, consisting of solid core single leaf flash door of 30 mm thickness lipped with 15 mm [5mmx3] thick x 30 mm wide on one style and top rail and 10 mm [5mmx2] thick x 30 mm wide of the other style and bottom rail. The inner panel laminated with 2 mm thick termite proof water proof and fire resistant moulded PVC sheet with raised panel designed in different plain/ or Prelam colour on one side after routing the moulded design on flash door and 2mm plain and or Prelam PVC sheet on other side using rubber adhesive on flash door and solvent cement adhesive on the PVC lipping etc. complete excluding hardwares as necessary as per direction of Engineer-in Charge, Manufacturer's Specification and drawing.. In ground floor.	Sq.m	1.89	3272.00	₹ 6,184.08
29	Priming one coat on timber or plastered surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc	Sq.m	3.33	38.00	₹ 126.54
30	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary :On timber or plastered surface :With other than hi-gloss of approved qualityiv) Two coats (with any shade except white)	Sq.m	3.33	75.00	₹ 249.75

Sl No.	Description of Items	Unit	Quantity	Rate	Amount
31	Providing & fixing Concrete Sign Board as per IRC specification of size 900 x 750 x 37 mm. thick made with RCC 1:1½:3 with pakur variety stone chips reinforced with double layer IRC febric (75 x 75 mm.mesh) and fixed with necessary nuts & bolts on two RC precast posts 100 mm. x 150 mm. of height 2.65m. of which top 750 mm. is of section 100 x 13 mm.and 1.90 metre above GL & 0.75 metre below GL including digging hole, repacking the same with cement concrete 1:3:6 with jhama khoa or with local stone chips etc. complete including painting two coats on both faces lettering sign marks etc. as per direction of the Engineer-in-Charge. (The rate is inclusive of cost of reinforcement, concrete, shuttering, nuts & bolts, washer etc. complete.)	Each	1.00	2230.00	₹ 2,230.00
				Total=	₹ 39,99,356.46
				Add G.S.T @ 12 %	₹ 4,79,922.78
				Sub total=	₹ 44,79,279.24
				Add labour cess @ 1 %	₹ 44,792.79
				Total=	₹ 45,24,072.03
				Say Total =	₹ 45,24,072.00

Construction of Black top from NH2 (Tentultala More) via the village of Alia towards Gangpur Station to Club of Bandhab Singha under Baikunthapur I Gram Panchayat, Joteram, Burdwan, Purba Bardhaman.

SL NO	Description Of Items	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
1	Compacting original ground supporting embankment Loosening, Leveling and Compacting original ground supporting embankment to facilitate placement of first layer of embankment, scarified to a depth of 150 mm, mixed with water at OMC and then compacted by rolling so as to achieve minimum dry density as given in Tables 300.1 and 300.2 for embankment construction as per Clause 305.3.4 of Specifications for Road & Bridge Works of MoRT&H (5th Revision).	Cum	223.200	24.10	₹ 5,379.12
2	Granular Sub-base with Graded Materials B. By mix in place method : Construction of granular sub-base by providing graded materials,mixing by mix in place method with rotavator at OMC, spreading in uniform layers with motor grador on prepared surface in proper grade and camber, compacting with vibratory roller to achieve the desired density, including lighting , guarding, barricading, including cost of all materials, machinary, tools and plants including cost of quality control complete as per Clause 401 of specifications for road & bridge works of MoRT&H (5th Revision) (V) Grading - III	Cum	334.800	2231.75	₹ 7,47,189.90
3	Water Bound Macadam base course providing, laying, spreading and compacting stone aggregates of specific sizes to Water Bound Macadam specifications including spreading in Uniform thickness, hand packing, rolling with vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/ binding materials to fill up the interstices of coarse aggregate, watering including lighting, guarding, barricading and making necessary earthen bundh of 1m width on each side and preparing the bed by necessary cutting or filling, including cost of all materials and higher and labour charges of all men and machinary and compacting to the required density, as per Clause 404 of Specifications for Road & Bridge Works of MoRT&H (5th Rev.) (1) Grading-I Aggregate (63mm to 45 mm) Using Stone Screening Type A (13.2mm) B. Mechanical Means.	Cum	167.400	3045.98	₹ 5,09,897.05

4	Water Bound Macadam base course providing, laying, spreading and compacting stone aggregates of specific sizes to Water Bound Macadam specifications including spreading in Uniform thickness, hand packing, rolling with vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/ binding materials to fill up the interstices of coarse aggregate, watering including lighting, guarding, barricading and making necessary earthen bundh of 1m width on each side and preparing the bed by necessary cutting or filling, including cost of all materials and higher and labour charges of all men and machinery and compacting to the required density, as per Clause 404 of Specifications for Road & Bridge Works of MoRT&H (5th Rev.) (1) Grading-II Aggregate (53mm to 22.4 mm) Using Stone Screening Type B (11.2mm) B. Manual Means.	Cum	167.400	3128.51	₹ 5,23,712.57
5	Providing and applying primer coat with Cationic Bitumen Emulsion of approved grade conforming to IS:8887-1978 and requisite quantity on prepared surface of granular base including cleaning of roads surface and spraying primer using mechanical means including cost and carriage of bitumen emulsion and all other incidental cost of work complete as per Clause 502 of Specifications for Road & Bridge Works of MoRT&H (5th Rev.) (I) For WBM/WMM surface : (with primer @0.70- 1.0 kg/Sqm)	Sqm	2232.000	32.68	₹ 72,941.76
6	Providing and applying Tack Coat with Cationic bitumen emulsion of approved grade conforming to IS: 8887 - 1978 on the prepared surface cleaned with hydraulic broom, moistening the surface including cost and carriage of emulsion, hire charges of machinery and labour, cost of fuel and lubricants all complete as per Clause 503 of Specifications for Road & Bridge Works of MoRT&H (5th Rev.) (i) On Granular surface treated with Primer (Using Bitumen Emulsion @of 0.25 to 0.30 kg/Sqm)	Sqm	2232.000	11.38	₹ 25,400.16
7	Bituminous Macadam using Mobile Hot Mix Plant (Light Duty) Providing and laying bituminous macadam with Mobile Hot Mix Plant (Light Duty) using approved crushed aggregates of specified grading as per Table 500.7 premixed with bituminous binder, transported to site laid over a previously prepared surface at specified laying temperature by means of approved and suitable arrangements to the required grade, level and alignment and rolled with suitable power roller for break down, intermediate and finished rolling as per specification to achieve the desired compaction including cost and carriage of stone materials and bitumen, hire charges of machinery and equipment, cost of fuel and lubricants and wages of operational staff, quality control complete as per Specifications for Road & Bridge Works of MoRT&H (5th Revision). B. For Grading 2 (19 mm nominal size, 50-75 mm thick.)	Cum	111.600	6641.46	₹ 7,41,186.94
8	Providing and applying Tack Coat with Cationic bitumen emulsion of approved grade conforming to IS: 8887 - 1978 on the prepared surface cleaned with hydraulic broom, moistening the surface including cost and carriage of emulsion, hire charges of machinery and labour, cost of fuel and lubricants all complete as per Clause 503 of Specifications for Road & Bridge Works of MoRT&H (5th Rev.) (i) On Bituminous surface treated with Primer (Using Bitumen Emulsion @of 0.25 to 0.30 kg/Sqm)	Sqm	2232.000	10.46	₹ 23,346.72

9	<p>Open- Graded Premix Surfacing using Bituminous (Viscosity grade Paving Bitumen/ Modified Bitumen) Binder and Mobile Hot Mix Plant (Light Duty) Providing, laying and rolling of open- graded premix surfacing of 20mm thk. Composed of 13.2 mm (@0.018 m³/m²) and 11.2 mm (@ 0.009 m³/m²) size stone aggregates, including thoroughly cleaning of the surface, screening, cleaning and preheating stone chips and fully precoating the same either using viscosity grade paving bitumen or Cut-Back or Emulsion, carrying the mixture by any suitable arrangements, laying the mixture uniformly over the surface, including line, grade and level to serve as wearing coarse on a previously prepared base, including mixing in Mobile Hot Mix Plant (Light Duty) and thoroughly rolling with a smooth wheel roller 8-10 tonne capacity, finished to required level and grades including the cost and carriage of stone chips and matrices, heating the matrices, preheating the aggregates to required temp. and including the hire charges of Mobile Hot Mix Plant (Light Duty) and other machinery, pay of operators, cost of Fuel and Lubricants etc. complete to be followed</p>	Sqm	2232.000	127.52	₹ 2,84,624.64
10	<p>Providing and laying Premixed Seal Coat (Type B)with approved quality sand/grit @ 0.6 m³/ 100 m² and bitumen binder on thoroughly cleaned black top surface coated with tack coat, including heating and mixing cleaned sand/grit (100 % passing through 2.36 mm sieve and retained on 180 micron sieve)uniformly with bitumen binder, laying and spreading the mix at an uniform rate using suitable means,brushing the surface, if necessary, to ensure uniformity, followed by rolling with power roller including the cost and carriage of binder and aggregates, cost of heating the binder and aggregates and all other incidental charges, cost of fuel and lubricants, including hire charges of machineries, tools & plants required for construction and quality control complete as per Clause 511 of Specifications for Road & Bridge Works of MoRT&H(5th Revision). I By Mechanical Means (i) With Hot Bitumen Binder (@ 6.80 kg / 10 sqm.).</p>	Sqm	2232.000	43.43	₹ 96,935.76
11	<p>Construction of Shoulders B. Hard Shoulders Rate as applicable for sub-base and or base may be adopted as per approved design. Water Bound Macadam Sub Base Water Bound Macadam Sub Base by consolidating Jhama metal / Laterite chelly or stone metal /shingles of specific size in hard crust to requisite thickness (measured after compaction) in layers including screening of metals etc. as necessary, hand packing, sweeping, watering and rolling in stages with power roller to proper line, grade and camber, lighting, guarding & barricading and making necessary earthen bundh of one metre width on each side where necessary to protect edges and preparing the bed by necessary cutting or filling and rolling all complete including the cost of all materials and hire and labour charges of all men and machineries and compacting to the required density, as per Clause 404 of Specifications for Road & Bridge Works of MoRT&H (5th Revision). (i) For Construction of Sub Base by consolidating Jhama metal (63 mm to</p>	Cum	27.000	2024.41	₹ 54,659.07
12	<p>Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on measurement of finished quantity) (b) Do by fine sand</p>	% Cum	68.000	64086.00	₹ 43,578.48
13	<p>Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand.</p>	Sqm	485.000	324.00	₹ 1,57,140.00

14	Hire and labour charges for shuttering with centering and upto 4 m using approved stout props and thick hard wood planks of approved necessary staging thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor) (f) 25 mm to 30 mm shuttering without staging in foundation	Sqm	2232.000	205.00	₹ 4,57,560.00
15	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement,if any, in ground floor as per relevant IS codes.	Cum	40.000	4777.86	₹ 1,91,114.40
16	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement,if any, in ground floor as per relevant IS codes. a) Pakur Variety	Cum	195.000	5343.62	₹ 10,42,005.90
17	Earth work in excavation of foundation trenches or drains,in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete. (a) Depth of excavation not exceeding 1,500 mm	Cum	573.513	119.27	₹ 68,402.90
18	Earth work in filling in compound, tank, low land, ditches etc. with good earth, in layers not exceeding 150 mm. including breaking clods and consolidating the same by ramming and dressing complete. (Payment will be made on profile measurement before and after the work)(b) (i) With carried earth arranged by the contractor within a radius of 3 km. including cost of carried earth	Cum	60.00	379.82	₹ 22,789.20
19	Brick work with 1st class bricks in cement mortar (1:6) (a) In foundation and plinth	Cum	7.00	4812.00	₹ 33,684.00
20	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.	Sqm	20.00	664.00	₹ 13,280.00
21	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface] (i) With 1:6 cement mortar 15 mm thick plaster	Sqm	1332.000	136.00	₹ 1,81,152.00
22	Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc.NOTE:Cement 0.152 cu.m per100 sq.m.	Sqm	1332.000	34.00	₹ 45,288.00
23	Providing and Laying Reinforced Cement Concrete Pipe NP3 as per design in Single Row Providing and laying reinforced cement concrete pipe NP3 with spigot socket for culverts on first class bedding of granular material in single row including fixing with cement mortar 1:2 as per Technical Specification Class 1106 for Rural Roads of MOPD	Mtr	20.000	2754.44	₹ 55,088.80
24	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 1.626mm black annealed wire at every intersection, complete as per drawing and direction. (a) Tor steel/mild steel SAIL/ TATA/RINL	MT	0.562	52816.59	₹ 29,682.92

25	Drum Sheet Walling 1.40m (av.) high on Sal-bullah / Eucalyptus bullah piling 10 cm dia. and 3.25m long driven 1.75m (av.) below G.L. and 75cm centre to centre including fitting fixing 3 nos. of half bullah pieces (from 10 cm dia) and drum(empty bitumen) sheet (approved condition) of height 1.5m , cutting and straightening drum sheet (each joint must have lap length of min.50mm) including cost of necessary nails, bolts, nuts etc. and providing 2 to 3m long half bullah ties of 10cm dia. @ 2.25 m centre to centre fixed with 10 cm dia. bullah posts driven 1.5m below G.L. including cost of all materials and one coat of	Mtr	150.000	1244	₹ 1,86,600.00
26	Providing & fixing Concrete Sign Board as per IRC specification of size 900 x 750 x 37 mm. thick made with RCC 1:1½:3 with pakur variety stone chips reinforced RCC 1:1½:3 with pakur variety stone chips reinforced with double layer IRC febric (75 x 75 mm.mesh) and fixed with necessary nuts & bolts on two RC precast posts 100 mm. x 150 mm. of height 2.65m. of which top 750 mm. is of section 100 x 13 mm.and 1.90 metre above GL & 0.75 metre below GL including digging hole, repacking the same with cement concrete 1:3:6 with jhama khoa or with local stone chips etc. complete including painting two coats on both faces lettering sign marks etc. as per direction of the Engineer-in-Charge. (The rate is inclusive of cost of reinforcement, concrete, shuttering, nuts & bolts, washer etc. complete.)	Each	1.000	2230.00	₹ 2,230.00
SUB TOTAL (A)					₹ 56,14,870.29
(B) Add 12% G.S.T. Over A					₹ 6,73,784.43
(C.) Cost Of civil works excluding labour Welfare Cess (A+B)					₹ 62,88,654.73
(D.) Add Labour cess @ 1.00 % Over (C)					₹ 62,886.55
Total =					₹ 63,51,541.27
Say Total=					₹ 63,51,541.00

CONSTRUCTION OF PUCCA ROAD FROM ROYNAGAR 2 NO SANSAD BOTTALA TO CANAL PAR UNDER BAIKUNTHAPUR II G.P					
SI No	Description of Items	Unit	Quantity	Rate	Amount
1	Box cutting or filling in Road embankment in all sorts of soil including spreading the spoils properly over the flank as necessary or on berm to approximate grade & camber and rolling the sub-grade with power roller to proper Camber and grade as per direction and satisfaction of Engineer-in-charge including uprooting and removing plants and jungles when and where necessary. (b) For each additional Depth of 150mm and part thereof.	Sqm	3700.00	14.40	₹ 53,280.00
2	Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on measurement of finished quantity) (b) Do by fine sand	%cum	370.00	54351.00	₹ 2,01,098.70
3	Brick soling with picked jhama bricks including preparation of bed as necessary with brick joints properly filled in and packed with powdered earth and including necessary cushion of similar material below the soling (and in between layers when more than one layer is used) completes as per direction. a) Single brick flat soling (thickness 75 mm.)	Sqm	3700.00	323.00	₹ 11,95,100.00
4	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement,if any, in ground floor as per relevant IS codes. a) Pakur Variety	cum	555.00	5343.62	₹ 29,65,709.10
5	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of groundfloor) f) 25 mm to 30 mm shuttering without staging in foundation	Sqm	370.00	205.00	₹ 75,850.00
6	Water Bound Macadam Sub Base Water Bound Macadam Sub Base by consolidating Jhama metal / Laterite chelly or stone metal / shingles of specific size in hard crust to requisite thickness (measured after compaction) in layers including screening of metals etc. as necessary, hand packing, sweeping, watering and rolling in stages with power roller to proper line, grade and camber, lighting, guarding & barricading and making necessary earthen bundh of one metre width on each side where necessary to protect edges and preparing the bed by necessary cutting or filling and rolling all complete including the cost of all materials and hire and labour charges of all men and machineries and compacting to the required density, as per Clause 404 of Specifications for Road & Bridge Works of MoRT&H (5th Revision). (i) For Construction of Sub Base by consolidating Jhama metal (63 mm to 45 mm) with moorum screening :	Cum	93.00	2083.33	₹ 1,93,749.69

7	Drum Sheet Walling 1.40m (av.) high on Sal-bullah / Eucalyptus bullah piling 10 cm dia. and 3.25m long driven 1.75m (av.) below G.L. and 75cm centre to centre including fitting fixing 3 nos. of half bullah pieces (from 10 cm dia) and drum(empty bitumen) sheet (approved condition) of height 1.5m , cutting and straightening drum sheet (each joint must have lap length of min.50mm) including cost of necessary nails, bolts, nuts etc. and providing 2 to 3m long half bullah ties of 10cm dia. @ 2.25 m centre to centre fixed with 10 cm dia. bullah posts driven 1.5m below G.L. including cost of all materials and one coat of coal tarring to all bullah etc. complete as per direction[P-338; It-18.39(i) Road Schedule]	mtr	300.00	1244.00	₹ 3,73,200.00
8	Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table 300.2 with lead upto 1000 m as per Technical Specification Clause 303.1 for Rural Roads of MORD	cum	225.00	173.11	₹ 38,949.75
8	Providing & fixing Concrete Sign Board as per IRC specification of size 900 x 750 x 37 mm. thick made with RCC 1:1½:3 with pakur variety stone chips reinforced with double layer IRC febric (75 x 75 mm.mesh) and fixed with necessary nuts & bolts on two RC precast posts 100 mm. x 150 mm. of height 2.65m. of which top 750 mm. is of section 100 x 13 mm.and 1.90 metre above GL & 0.75 metre below GL including digging hole, repacking the same with cement concrete 1:3:6 with jhama khoa or with local stone chips etc. complete including painting two coats on both faces lettering sign marks etc. as per direction of the Engineer-in-Charge. (The rate is inclusive of cost of reinforcement, concrete, shuttering, nuts & bolts, washer etc. complete.)	Each	1.00	2230.00	₹ 2,230.00
(A) = Rs.=					₹ 50,99,167.24
(B) = ADD @ 15% OF MAINTANENCE COST OF 5 YEAR Rs.=					₹ 7,64,875.09
TOTAL=					₹ 58,64,042.33
(B) = Add GST @ 12% on (A)=					₹ 7,03,685.08
(C) Cost of civil works excluding labour welfare cess (A + B) =					₹ 65,67,727.41
(D) = Add Worker's welfare cess @1% on C=					₹ 65,677.27
TOTAL=					₹ 66,33,404.68
Say Rs.					₹ 66,33,405.00

Construction of pucca Road, Drain & Culvert from Burdwan-I Block office to Kamnara village via palitpur road under (Burdwan I)khetia Gram Panchayat.

SL No.	Description of Items	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
1	Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete. (a) Depth of excavation not exceeding 1,500 mm	Cum	675.00	119.27	₹ 80,507.25
2	Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on measurement of finished quantity) (b) Do by fine sand	Cum	136.000	543.51	₹ 73,917.36
3	Brick soling with picked jhama bricks including preparation of bed as necessary with brick joints properly filled in and packed with powdered earth and including necessary cushion of similar material below the soling (and in between layers when more than one layer is used) completes as per direction. a) Single brick flat soling (thickness 75 mm.)	Sqm	1215.00	312.00	₹ 3,79,080.00
4	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes. (i) Pakur Variety	Cum	325.000	5343.62	₹ 17,36,676.50
5	Brick work with 1st class bricks in cement mortar (1:6) (a) In foundation and plinth	Cum	3.00	4812.00	₹ 14,436.00
6	Reinforcement (for reinforced concrete work) including distribution bars stirrups, Binders etc. Including supply of rods, Including straightening bend of any dia, cutting to requisite length, hooking and binding with 1.626mm black annealed wire at every intersection compete as per drawing direction including cost of wire (payment to be made on requirement of reinforcement as per drawing direction). (a) Tor steel/mid steel SAIL/TATA/RINL i) For works in foundation, basement and upto roof of ground floor/upto 4mts.	MT	2.48	54768.10	₹ 1,36,043.96
7	Plaster (to wall, floor, ceiling etc) with sand and cement mortar including rounding off or chamfering corners as directed and racking out joints or roughening of concrete surface, including throating, nosing and drip course where necessary. (a) With 1:6 cement mortar, c) 15 mm thick plaster i) In Ground floor	Sqm	1225.00	136.00	₹ 1,66,600.00
8	Neat cement punning about 1.5mm thick in wall,dado,window sill,floor etc. NOTE:Cement 0.152 cu.m per100 sq.m.	Sqm	1225.00	34.00	₹ 41,650.00
9	Hire and Labour Charges for shuttering with hard wood for precast R.C. Slab curved, or stright and striking out the same including fitting, fixing the precast slab in position with necessary carriage and haulage, hosting etc, complete in all respect. (only the area in contact with concrete to be measured)	Sqm	1225.00	205.00	₹ 2,51,125.00

10	Drum Sheet Walling 1.40m (av.) high on Sal-bullah / Eucalyptus bullah piling 10 cm dia. and 3.25m long driven 1.75m (av.) below G.L. and 75cm centre to centre including fitting fixing 3 nos. of half bullah pieces (from 10 cm dia) and drum(empty bitumen) sheet (approved condition) of height 1.5m , cutting and straightening drum sheet (each joint must have lap length of min.50mm) including cost of necessary nails, bolts, nuts etc. and providing 2 to 3m long half bullah ties of 10cm dia. @ 2.25 m centre to centre fixed with 10 cm dia. bullah posts driven 1.5m below G.L. including cost of all materials and one coat of coal tarring to all bullah etc. complete as per direction[P-338; It-18.39(i) Road Schedule]	mtr	200.00	1244.00	₹ 2,48,800.00
11	Compacting original ground supporting embankment Loosening, Leveling and Compacting original ground supporting embankment to facilitate placement of first layer of embankment, scarified to a depth of 150 mm, mixed with water at OMC and then compacted by rolling so as to achieve minimum dry density as given in Tables 300.1 and 300.2 for embankment construction as per Clause 305.3.4 of Specifications for Road & Bridge Works of MoRT&H (5th Revision).	Cum	580.00	24.10	₹ 13,978.00
12	Granular Sub-base with Graded Material B. By Mix in Place Method : Construction of granular sub-base by providing graded material, mixing by mix in place method with Rotavator at OMC, spreading in uniform layers with Motor grader on prepared surface in proper grade and camber, compacting with vibratory roller to achieve the desired density, including lighting, guarding, barricading, including cost of all materials, machinery, tools and plants including cost of quality control complete as per Clause 401 of Specifications for Road & Bridge Works of MoRT&H (5th Revision). (v) Grading – V	Cum	290.00	2031.30	₹ 5,89,077.00
13	Water Bound Macadam Base Course Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening / binding materials to fill up the interstices of coarse aggregate, watering including lighting, guarding, barricading and making necessary earthen bundh of one metre width on each side and preparing the bed by necessary cutting or filling, including cost of all materials and hire and labour charges of all men and machinery and compacting to the required density, as per Clause 404 of Specifications for Road & Bridge Works of MoRT&H (5th Revision). (i) Grading-I Aggregate (63 mm to 45 mm) Using Stone Screening Type B (11.2 mm) B. Manual Means.	Cum	217.50	2672.69	₹ 5,81,310.08
14	Water Bound Macadam Base Course Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening / binding materials to fill up the interstices of coarse aggregate, watering including lighting, guarding, barricading and making necessary earthen bundh of one metre width on each side and preparing the bed by necessary cutting or filling, including cost of all materials and hire and labour charges of all men and machinery and compacting to the required density, as per Clause 404 of Specifications for Road & Bridge Works of MoRT&H (5th Revision). (ii) Grading-II Aggregate (53 mm to 22.4 mm) Using Stone Screening Type B (11.2 mm)	Cum	217.50	2748.08	₹ 5,97,707.40

15	<p>Providing and applying primer coat with Cationic Bitumen Emulsion of approved grade conforming to IS: 8887-1978 and requisite quantity on prepared surface of granular base including cleaning of road surface and spraying primer using Mechanical means including cost and carriage of bitumen emulsion and all other incidental costs of work complete as per Clause 502 of Specifications for Road & Bridge Works of MoRT&H (5th Revision)..</p> <p>i)For WBM / WMM Surface: (with primer @ 0.70-1.0 kg/sqm)</p>	Sqm	2305.00	35.36	₹ 81,504.80
16	<p>Providing and applying tack coat with Cationic Bitumen Emulsion of approved grade conforming to IS: 8887-1978 on the prepared surface cleaned with Hydraulic broom, moistening the surface including cost and carriage of emulsion, hire charges of machinery and labour, cost of fuel and lubricants all complete as per Clause 503 of Specifications for Road & Bridge Works of MoRT&H (5th Revision).</p> <p>(ii) On Granular surfaces treated with primer (Using Bitumen emulsion at the rate of 0.25 to 0.30 kg per sqm.)</p>	Sqm	2305.00	12.25	₹ 28,236.25
17	<p>Bituminous Macadam using Mobile Hot Mix Plant (Light Duty)</p> <p>Providing and laying bituminous macadam with Mobile Hot Mix Plant (Light Duty) using approved crushed aggregates of specified grading as per Table 500.7 premixed with bituminous binder, transported to site laid over a previously prepared surface at specified laying temperature by means of approved and suitable arrangements to the required grade, level and alignment and rolled with suitable power roller for break down, inter-mediate and finished rolling as per specification to achieve the desired compaction including cost and carriage of stone materials and bitumen, hire charges of machinery and equipment, cost of fuel and lubricants and wages of operational staff, quality control complete as per Specifications for Road & Bridge Works of MoRT&H (5th Revision).</p> <p>B. For Grading 2 (19 mm nominal size, 50-75 mm thick.).</p>	Cum	145.00	6535.97	₹ 9,47,715.65
18	<p>Providing and applying tack coat with Cationic Bitumen Emulsion of approved grade conforming to IS: 8887-1978 on the prepared surface cleaned with Hydraulic broom, moistening the surface including cost and carriage of emulsion, hire charges of machinery and labour, cost of fuel and lubricants all complete as per Clause 503 of Specifications for Road & Bridge Works of MoRT&H (5th Revision).</p> <p>(i) On Bituminous Surface (Using Bitumen Emulsion at the rate of 0.20 to 0.30 kg per sqm.)</p> <p>Above Bituminous Macadam before laying of Premix.</p>	Sqm	2305.00	11.26	₹ 25,954.30
19	<p>Open-Graded Premix Surfacing using Bituminous (Viscosity grade Paving Bitumen / Modified bitumen) Binder and Mobile Hot Mix Plant (Light Duty) Providing, laying and rolling of Open - graded premix surfacing of 20 mm thickness composed of 13.2 mm (@ 0.018 m³ per m²) and 11.2 mm (@ 0.009 m³ per m²) size stone aggregates, including thoroughly cleaning of the surface, screening, cleaning and pre-heating stone chips and fully pre-coating the same either using viscosity grade paving bitumen or cut-back or emulsion, carrying the mixture by any suitable arrangements, laying the mixture uniformly over the surface, including line, grade and level to serve as wearing course on a previously prepared base, including mixing in Mobile Hot Mix Plant (Light Duty) and thoroughly rolling with a smooth wheeled roller 8-10 tonne capacity, finished to required level and grades including the cost and carriage of stone chips and matrix, heating the matrix, preheating the aggregates to required temperature and including the hire charges of Mobile Hot Mix Plant (Light Duty) and other machinery, pay of operators, cost of fuel and lubricants etc. complete to be followed by seal coat of either Type A or Type B as per Technical Specification Clause 508 for Rural Roads of MORD.</p>	Sqm	2305.00	125.28	₹ 2,88,770.40

20	Providing and laying Premixed Seal Coat (Type B)with approved quality sand/grit @ 0.6 m ³ / 100 m ² and bitumen binder on thoroughly cleaned black top surface coated with tack coat, including heating and mixing cleaned sand/grit (100 % passing through 2.36 mm sieve and retained on 180 micron sieve)uniformly with bitumen binder, laying and spreading the mix at an uniform rate using suitable means,brushing the surface, if necessary, to ensure uniformity, followed by rolling with power roller including the cost and carriage of binder and aggregates, cost of heating the binder and aggregates and all other incidental charges, cost of fuel and lubricants, including hire charges of machineries, tools & plants required for construction and quality control complete as per Clause 511 of Specifications for Road & Bridge Works of MoRT&H(5th Revision). I By Mechanical Means (i) With Hot Bitumen Binder (@ 6.80 kg / 10 sqm.)	Sqm	2305.00	44.48	₹ 1,02,526.40
21	Construction of Shoulders B. Hard Shoulders Rate as applicable for sub-base and or base may be adopted as per approved design. i) For Construction of Sub Base by consolidating Jhama metal (63 mm to 45 mm) with moorum screening : Add cost at site of 1.09 m ³ of jhama metal and 0.26 m ³ of moorum screening (loose volume) to arrive at the consolidated rate	Cum	50.00	2468.64	₹ 1,23,432.00
22	Earth work in filling in compound, tank, low land, ditches etc. with good earth, in layers not exceeding 150 mm. including breaking clods and consolidating the same by ramming and dressing complete. (Payment will be made on profile measurement before and after the work)With carried earth arranged by the contractor within a radius of 3 km. including cost of carried earth.	Cum	450.00	379.82	₹ 1,70,919.00
23	Providing & fixing Concrete Sign Board as per IRC specification of size 900 x 750 x 37 mm. thick made with RCC 1:1½:3 with pakur variety stone chips reinforced with double layer IRC fabric (75 x 75 mm.mesh) and fixed with necessary nuts & bolts on two RC precast posts 100 mm. x 150 mm. of height 2.65m. of which top 750 mm. is of section 100 x 13 mm.and 1.90 metre above GL & 0.75 metre below GL including digging hole, repacking the same with cement concrete 1:3:6 with jhama khoa or with local stone chips etc. complete including painting two coats on both faces lettering sign marks etc. as per direction of the Engineer-in-Charge. (The rate is inclusive of cost of reinforcement, concrete, shuttering, nuts & bolts, washer etc. complete.)	Each	1.00	2230.00	₹ 2,230.00
SUB TOTAL					₹ 66,82,197.35
(B.) Add 12 % G.S.T. OVER A					₹ 8,01,863.68
(C.) Cost of civil works excluding labour welfare cess (A+B)					₹ 74,84,061.03
(D.) Labour welfare cess @1% on (C)					₹ 74,840.61
Total (C+D)=					₹ 75,58,901.64
Say Total=					₹ 75,58,902.00

CONSTRUCTION OF CONCRETE ROAD, DRAIN & OTHER ANCILARRY WORK AT BIDHANPALLY DIGHIR PAR , WARD NO-11 UNDER BURDWAN MUNICIPALITY.					
SI No	Description of Items	Unit	Quantity	Rate	Amount
1	Box cutting or filling in Road embankment in all sorts of soil including spreading the spoils properly over the flank as necessary or on berm to approximate grade & camber and rolling the sub-grade with power roller to proper Camber and grade as per direction and satisfaction of Engineer-in-charge including uprooting and removing plants and jungles when and where necessary. (b) For each additional Depth of 150mm and part thereof.	Sqm	1025.00	14.40	₹ 14,760.00
2	Providing and constructing Temporary Island for construction of Well foundation. Construction of Temporary Island assuming depth of water 1.0 m and height of island upto 1.25m. by sand / dry soil filled cement / polyethylene bags and removal of the same after main construction activity. i) Area of Island between 100 m ² to 120 m ²	Each	3.00	23448.00	₹ 70,344.00
3	Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete. (a) Depth of excavation not exceeding 1,500 mm.	Sqm	472.00	119.27	₹ 56,295.44
4	Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on measurement of finished quantity) (b) Do by fine sand [P-2; It-4(A) Building Schedule 2017]	%cum	212.00	54351.00	₹ 1,15,224.12
5	Brick soling with picked jhama bricks including preparation of bed as necessary with brick joints properly filled in and packed with powdered earth and including necessary cushion of similar material below the soling (and in between layers when more than one layer is used) completes as per direction. a) Single brick flat soling (thickness 75 mm.) (P-226, It. No.-1 Building Schedule 2017)	Sqm	1861.00	323.00	₹ 6,01,103.00
6	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement,if any, in ground floor as per relevant IS codes. a) Pakur Variety	cum	215.00	5343.62	₹ 11,48,878.30
7	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement,if any, in ground floor as per relevant IS codes. a) Pakur Variety	cum	606.00	4777.86	₹ 28,95,383.16
8	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of groundfloor) f) 25 mm to 30 mm shuttering without staging in foundation	Sqm	813.00	205.00	₹ 1,66,665.00

SI No	Description of Items	Unit	Quantity	Rate	Amount
9	Plaster (to wall, floor, ceiling etc) with sand and cement mortar including rounding off or chamfering corners as directed and racking out joints or roughening of concrete surface, including throating, nosing and drip course where necessary. (a) With (6:1) cement mortar, 20mm thick plaster(external plaster) i) In Ground floor (External)	Sqm	1362.00	155.00	₹ 2,11,110.00
10	Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc. NOTE:Cement 0.152 cu.m per100 sq.m.	Sqm	1303.00	34.00	₹ 44,302.00
11	Reinforcement (for reinforced concrete work) including distribution bars stirrups, Binders etc. Including supply of rods, Including straightening bend of any dia, cutting to requisite length, hooking and binding with 1.626mm black annealed wire at every intersection complete as per drawing direction including cost of wire (payment to be made on requirement of reinforcement as per drawing direction). (a) Tor steel/mid steel Other than SAIL/TATA/RINL	M.T.	16.90	52816.59	₹ 8,92,600.37
12	Brick work with sand and cement mortar (1:6) including cost of scaffolding and other incidental Work etc. complete as per specification. b) In foundation and plinth	cum	7.50	4812.00	₹ 36,090.00
13	Providing & fixing Concrete Sign Board as per IRC specification of size 900 x 750 x 37 mm. thick made with RCC 1:1½:3 with pakur variety stone chips reinforced with double layer IRC fabric (75 x 75 mm.mesh) and fixed with necessary nuts & bolts on two RC precast posts 100 mm. x 150 mm. of height 2.65m. of which top 750 mm. is of section 100 x 13 mm.and 1.90 metre above GL & 0.75 metre below GL including digging hole, repacking the same with cement concrete 1:3:6 with jhama khoa or with local stone chips etc. complete including painting two coats on both faces lettering sign marks etc. as per direction of the Engineer-in-Charge. (The rate is inclusive of cost of reinforcement, concrete, shuttering, nuts & bolts, washer etc. complete.)	Each	1.00	2230.00	₹ 2,230.00
(A) =				Rs.=	₹ 62,54,985.39
(B) = ADD @ 15% OF MAINTANENCE COST OF 5 YEAR				Rs.=	₹ 9,38,247.81
				TOTAL=	₹ 71,93,233.20
(B) = Add GST @ 12% on (A)=					₹ 8,63,187.98
(C) Cost of civil works excluding labour welfare cess (A + B) =					₹ 80,56,421.18
(D) = Add Worker's welfare cess @1% on C=					₹ 80,564.21
				TOTAL=	₹ 81,36,985.40
				Say Rs.	₹ 81,36,985.00

**CONSTRUCTION OF CONCRETE ROAD SURROUNDING NANDANKANAN AND MORA PUKUR AREA UNDER
BAIKUNTHAPUR-II GRAM PANCHAYAT ,BURDWAN-II BLOCK.**

SI No	Description of Items	Unit	Quantity	Rate	Amount
1	Box cutting or filling in Road embankment in all sorts of soil including spreading the spoils properly over the flank as necessary or on berm to approximate grade & camber and rolling the sub-grade with power roller to proper Camber and grade as per direction and satisfaction of Engineer-in-charge including uprooting and removing plants and jungles when and where necessary. (b) For each additional Depth of 150mm and part thereof.	Sqm	4900.00	14.40	₹ 70,560.00
2	Filling in foundation or plinth by silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on measurement of finished quantity) (b) Do by fine sand	%cum	490.00	54351.00	₹ 2,66,319.90
3	Brick soling with picked jhama bricks including preparation of bed as necessary with brick joints properly filled in and packed with powdered earth and including necessary cushion of similar material below the soling (and in between layers when more than one layer is used) completes as per direction. a) Single brick flat soling (thickness 75 mm.)	Sqm	4900.00	323.00	₹ 15,82,700.00
4	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement, if any, in ground floor as per relevant IS codes. a) Pakur Variety	cum	730.00	5343.62	₹ 39,00,842.60
5	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of groundfloor) f) 25 mm to 30 mm shuttering without staging in foundation	Sqm	505.00	205.00	₹ 1,03,525.00
6	Water Bound Macadam Sub Base Water Bound Macadam Sub Base by consolidating Jhama metal / Laterite chelly or stone metal / shingles of specific size in hard crust to requisite thickness (measured after compaction) in layers including screening of metals etc. as necessary, hand packing, sweeping, watering and rolling in stages with power roller to proper line, grade and camber, lighting, guarding & barricading and making necessary earthen bundh of one metre width on each side where necessary to protect edges and preparing the bed by necessary cutting or filling and rolling all complete including the cost of all materials and hire and labour charges of all men and machineries and compacting to the required density, as per Clause 404 of Specifications for Road & Bridge Works of MoRT&H (5th Revision). (i) For Construction of Sub Base by consolidating Jhama metal (63 mm to 45 mm) with moorum screening :	Cum	111.00	2083.33	₹ 2,31,249.63

7	Drum Sheet Walling 1.40m (av.) high on Sal-bullah / Eucalyptus bullah piling 10 cm dia. and 3.25m long driven 1.75m (av.) below G.L. and 75cm centre to centre including fitting fixing 3 nos. of half bullah pieces (from 10 cm dia) and drum(empty bitumen) sheet (approved condition) of height 1.5m , cutting and straightening drum sheet (each joint must have lap length of min.50mm) including cost of necessary nails, bolts, nuts etc. and providing 2 to 3m long half bullah ties of 10cm dia. @ 2.25 m centre to centre fixed with 10 cm dia. bullah posts driven 1.5m below G.L. including cost of all materials and one coat of coal tarring to all bullah etc. complete as per direction[P-338; It-18.39(i) Road Schedule]	mtr	200.00	1244.00	₹ 2,48,800.00
8	Construction of subgrade and earthen shoulders with approved material obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table 300.2 with lead upto 1000 m as per Technical Specification Clause 303.1 for Rural Roads of MORD	cum	240.00	173.11	₹ 41,546.40
8	Providing & fixing Concrete Sign Board as per IRC specification of size 900 x 750 x 37 mm. thick made with RCC 1:1½:3 with pakur variety stone chips reinforced with double layer IRC febric (75 x 75 mm.mesh) and fixed with necessary nuts & bolts on two RC precast posts 100 mm. x 150 mm. of height 2.65m. of which top 750 mm. is of section 100 x 13 mm.and 1.90 metre above GL & 0.75 metre below GL including digging hole, repacking the same with cement concrete 1:3:6 with jhama khoa or with local stone chips etc. complete including painting two coats on both faces lettering sign marks etc. as per direction of the Engineer-in-Charge. (The rate is inclusive of cost of reinforcement, concrete, shuttering, nuts & bolts, washer etc. complete.)	Each	1.00	2230.00	₹ 2,230.00
(A) = Rs.=					₹ 64,47,773.53
(B) = ADD @ 15% OF MAINTANENCE COST OF 5 YEAR Rs.=					₹ 9,67,166.03
TOTAL=					₹ 74,14,939.56
(B) = Add GST @ 12% on (A)=					₹ 8,89,792.75
(C) Cost of civil works excluding labour welfare cess (A + B) =					₹ 83,04,732.31
(D) = Add Worker's welfare cess @1% on C=					₹ 83,047.32
TOTAL=					₹ 83,87,779.63
Say Total Rs.					₹ 83,87,780.00