



**KHARDAH MUNICIPALITY**  
**B.T.ROAD, KHARDAH,**  
**NORTH 24-PARGANAS, KOLKATA – 700 117**

***Notice Inviting e-Tender***

Memo. No.: KDHM/ 408 /PWD/ 2017-18.

Dated: 29.03.2018

Sl. No.	NAME OF WORK	ESTIMATED VALUE(Rs.)	EARNEST MONEY (Payment through RTGS/NEFT)	Fund Name	E-tender Notice Number	Value of Tender (Rs.)
1	Proposed Plain Cement Concrete Road at Imran House to Md Muslim house in ward no -01 under Khardah Municipality	<b>Rs.4,98,056.00</b>	9961.00	<b>14<sup>th</sup> Finance</b>	38	<b>500.00</b>
2	Proposed Plain Cement Concrete Road at Sani Mandir to Bikash house Part-A & Kartik Bhattacharjee House to Ratan House in ward no -03 under Khardah Municipality.	<b>Rs.5,16,972.00</b>	10339.00	<b>14<sup>th</sup> Finance</b>	39	<b>750.00</b>
3	Proposed Plain Cement Concrete Road at Sushil Dhor House to R.Rajbanshi House Part-A & Uttam House to Gopal House in ward no -06 under Khardah Municipality	<b>Rs.5,25,313.00</b>	10506.00	<b>14<sup>th</sup> Finance</b>	40	<b>750.00</b>
4	Cement concrete Road at Ramkrishna Park,in Ward no-4,Under Khardah Municipality	<b>Rs.4,88,966.00</b>	9779.00	<b>14<sup>th</sup> Finance</b>	41	<b>500.00</b>
5	Proposed Construction of surface drain at sunil chatterjee house to naba bhuban garrege in ward no -05 under Khardah Municipality.	<b>Rs.4,05,852.00</b>	8117.00	<b>14<sup>th</sup> Finance</b>	42	<b>500.00</b>
6	Construction of Drains at Back Side of Vivekananda School,in Ward No-2,Under Khardah Municipality	<b>Rs.3,63,118.00</b>	7262.00	<b>14<sup>th</sup> Finance</b>	43	<b>400.00</b>
7	Proposed Plain Cement Concrete Road at Salayen Bari Goli Part-	<b>Rs.4,85,450.00</b>	9709.00	<b>14<sup>th</sup> Finance</b>	44	<b>500.00</b>



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	A & Dostider Bagan Goli -B House in ward no -07 under Khardah Municipality					
8	Proposed Plain Cement Concrete Road at Das Vila House to Bikash House Part-A & Biswanth House to Dr.Kakoli House Part-B in ward no -08 under Khardah Municipality	<b>Rs.5,27,374.00</b>	10547.00	<b>14<sup>th</sup> Finance</b>	45	<b>750.00</b>
9	Construction of Cement Concrete Road at Backside of Platfrom No-4,in Ward No-11,Under Khardah Municipality	<b>Rs.5,78,151.00</b>	11563.00	<b>14<sup>th</sup> Finance</b>	46	<b>750.00</b>
10	Proposed Plain Cement Concrete Road at Khardah Water Tank to Sumita Das House & Part-A in ward no -10 under Khardah Municipality	<b>Rs.5,06,391.00</b>	10128.00	<b>14<sup>th</sup> Finance</b>	47	<b>750.00</b>
11	Proposed Plain Cement Concrete Road at Gvt. Colony Part-A & Part-B in ward no -12 under Khardah Municipality	<b>Rs.4,91,599.00</b>	9832.00	<b>14<sup>th</sup> Finance</b>	48	<b>500.00</b>
12	Proposed Plain Cement Concrete Road at Khardah Station Road(near Surya Sen Math) Part-A & Part-B in ward no -13 under Khardah Municipality	<b>Rs.4,95,960.00</b>	9919.00	<b>14<sup>th</sup> Finance</b>	49	<b>500.00</b>
13	Proposed Plain Cement Concrete Road at Itkhola to Charubala Health Centre Part-A in ward no -14 under Khardah Municipality	<b>Rs.5,30,749.00</b>	10615.00	<b>14<sup>th</sup> Finance</b>	50	<b>750.00</b>
14	Proposed Plain Cement Concrete Road at Jute Mil kacha Line Part-A & part-B in ward no -15 under Khardah Municipality	<b>Rs.4,99,414.00</b>	9988.00	<b>14<sup>th</sup> Finance</b>	51	<b>500.00</b>
15	Construction of Toilet Block at Kancha Line	<b>Rs.10,40,950.00</b>	20819.00	<b>14<sup>th</sup> Finance</b>	52	<b>1200.00</b>



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	in ward no. 15 under Khardah Municipality					
16	Proposed Plain Cement Concrete Road at Ashim Das House to Nitai Mandir Part-A & 26 Shib Mandir Goli part-B in ward no -16 under Khardah Municipality	<b>Rs.5,16,471.00</b>	10329.00	<b>14<sup>th</sup> Finance</b>	53	<b>750.00</b>
17	Proposed Plain Cement Concrete Road at Shyam sundar Thakur Road in ward no-17 under Khardah Municipality	<b>Rs.4,88,684.00</b>	9774.00	<b>14<sup>th</sup> Finance</b>	54	<b>500.00</b>
18	Proposed Construction of surface drain at Avinaba Sweet to Dutta Pond in ward no -19 under Khardah Municipality.	<b>Rs.5,65,425.00</b>	11309.00	<b>14<sup>th</sup> Finance</b>	55	<b>750.00</b>
19	Proposed Plain Cement Concrete Road at Bubai Das house to Railway Play Ground in ward no -20 under Khardah Municipality	<b>Rs.5,27,503.00</b>	10550.00	<b>14<sup>th</sup> Finance</b>	56	<b>750.00</b>
20	Construction of Cement Concrete Road from Laundry More to Branch Panchanantala in ward no. 21 under Khardah Municipality	<b>Rs.4,84,570.00</b>	9691.00	<b>14<sup>th</sup> Finance</b>	57	<b>500.00</b>
21	Labour Charges for sinking of 300mm X 200mm dia tubewell, 165 meter deep with PVC pipe and slotted strainer under Khardah Municipality	<b>Rs.6,36,460.00</b>	12729.00	<b>14<sup>th</sup> Finance</b>	58	<b>750.00</b>
22	Proposed Plain Cement Concrete Road at Young Unit Club to Kali Bedhi Part-A in ward no -18 under Khardah Municipality	<b>Rs.5,13,341.00</b>	10267.00	<b>14<sup>th</sup> Finance</b>	59	<b>750.00</b>



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Note : Bonafied, reliable, resourceful and experience contractors having sound financial status and having credential not less than 50% of the value of similar nature of work in a single contract during preceding 3 (Three) years under Govt./Semi Govt./ Statutory of local bodies. Credential means completion certificate as well as payment certificate of a single contract of a similar nature of work.

1. A bidder desirous of taking part in a tender shall login to the e-Procurement Portal of the Government of West Bengal <http://wbtenders.gov.in> using his login ID and Password and thereafter may download the tender document from the website directly with the help of Digital Signature Certificate.

As per G.O. No. 3975-F(Y) dated 28.07.2016 of the Secretary, Audit Branch, Finance Department a bidder should initiate payment of pre-defined EMD for the tender by selecting from either of the following payments modes:

- i) 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.

**I) Earnest Money Payment Procedure:**

a) Payment by Net Banking (any listed bank) through ICICI Bank Payment Gateway:

- i. 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.
- ii. Bidder will make the payment after entering his Unique ID and Password of the Bank to process the transaction.
- iii. Bidder will receive a conformation message regarding success/failure of the
- iv. If the transaction is successful, the amount paid by the bidder will get credit in the respective pooling account of the State Government/PSU/Autonomous Body/Local Body/PRIs, etc. Maintained with the Focal Point Branch of ICICI Bank R.N. Mukherjee Road, Kolkata for collection of EMD/Tender Fees.
- v. If the transaction is failure, the bidder will again try for payment by going back to the first step.

**b) Payment through RTGS/NEFT:**

- i. On selection of RTGS/NEFT as the payment mode, the e-Procurement portal will show a pre-filled challan having the details to process RTGS/NEFT transaction.
- ii. The bidder will print the challan and use the pre-filled information to make RTGS/NEFT payment using his Bank account.
- iii. 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.
- iv. If verification is successful, the fund will get credit to the respective pooling account of the state Government/PSU/Autonomous Body/Local Body/PRIs, etc. Maintained with the Focal Point Branch of ICICI Bank at R.N. Mukherjee Road, Kolkata for collection of EMD/Tender Fees.
- v. Hereafter, the bidder will go to e-Procurement portal for submission of his bid.
- vi. But if the payment verification is unsuccessful, the amount will be returned to the bidder's account.

**II) Earnest Money Refund/Settlement Process :**

- i) After opening of the bids and technical Process 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 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 re und



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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 of 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 an automated process, to his bank account from which he 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 Award of Contract (AOC) to the L1 bidder is uploaded to the e-Procurement portal by the tender inviting authority.

v) As soon as the L1 bidder is awarded the contract (AOC) and the same is processed electronically in the e-Procurement portal – a) EMD of the L1 bidder for tender of State Government offices will automatically get transferred from the pooling account to the State Government deposit head "8443-00 -103-001-07" through GRIPS along with the bank particulars of the L1 bidder.

b) EMD of the L1 bidder for tenders of the State PSUs/Autonomous Bodies/Local Bodies/PRIs, etc will automatically get transferred from the pooling account to their respective inked bank accounts along with the bank particulars of the L1 bidder. In both the above cases, such transfer will take place within T+1 Bank Working Days where T will mean the date on which the Award of Contract (AOC) is issued.

vi. The Bank will share the details of the GRN generated on successful entry in GRIPS with the e-Procurement portal for updation.

vii. Once the EMD of the L1 bidder is transferred in the manner mentioned above, Tender fees, if any, deposited by the bidders will be transferred electronically from the pooling account to the Government revenue receipt head "0070-60-800-013-27" through GRIPS for Government tenders and to the respective linked bank accounts for State PSU/Autonomous Body/Local Body/PRIs, etc tenders.

viii. All refunds will be made mandatorily to the bank A/c from which the payment of EMD & Tender Fees (if any) were initiated.

### **III) Accounting and Monitoring Process:**

i. The ICICI Internet Banking will communicate to the State Government e-Procurement portal all details  
 ii. The Tender Inviting Authority of the Government Offices/PSUs/ Autonomous Bodies/Local Bodies/PRIs, etc will be using their respective e-procurement User ID and Password to view the EMD and Tender Fees deposited by the bidders in the pooling accounts.

iii. The nodal officer of the Finance Department, Government of West Bengal will be able to view the Department-wise EMD and Tender Fees deposited by the bidders to the pooling accounts and funds transferred downstream at various stages of the tender process to the Government accounts and bidders' accounts, as applicable by using user access as provided by NIC.

iv. The details of NIC E-Procurement Help Desk and toll free numbers of ICICI Bank are given in annexure of the mentioned G.O. above.

2) Both **Technical Bid** and **Financial Bid** are to be submitted online on or before last date of Bid Submission date concurrently duly digitally signed in the website <http://wbtenders.gov.in>

3) Tender documents may be downloaded from website and submission of Technical Bid and Financial Bid will be done as per Time Schedule stated in Sl. No.-6.



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4) The FINANCIAL OFFER of the prospective tenderer will be considered only if the TECHNICAL BID of the tenderer is found qualified by the 'Tender Evaluation Committee' formed by the authority. The decision of the 'Tender Evaluation Committee' will be final and absolute in this respect. The list of Qualified Bidders will be displayed in the website.

**5) Eligibility Criteria for participation in the tender –**

- a) Bonafied, reliable, resourceful and experience contractors having sound financial status and having credential not less than 50% of the value of similar nature of work in a single contract during preceding 3 (Three) years under Govt./Semi Govt./Statutory of local bodies. Credential means completion certificate as well as payment certificate of a single contract of a similar nature of work. [Non-statutory documents]
- b) Uploading of scan copies of Pan Card, GST Registration Certificate, Professional Tax (PT) payment certificate (current), Income Tax Return (current) & Valid Trade License are to be accompanied with the Technical Bid Documents. [Non-statutory documents]
- c) The partnership firm shall furnish the registered partnership deed and the company shall furnish the Article of Association and Memorandum.
- d) Hard copy of documents may be demanded for submission if desired by the authority after opening of Technical Bid.
- e) Defect liability period for maintenance of the road works will be 3 years from the completion of the works. Liability may fix up in respect of any means depending upon the decision of the appropriate authority for non compliance of the above. [Non-statutory documents]

**6) Date and Time Schedule:**

Sl.No.	Particulars	Date & Time
1	Date of uploading of N.I.T. Documents (online) (Publishing Date)	31.03.2018 (12.00 hours)
2	Documents download start date (Online)	5.04.2018 (12.00 hours)
3	Documents download - end date (Online)	24.04.2018 (15:00 hours)
4	Bid submission start date (On line)	5.04.2018 (12.00 hours)
5	Bid Submission closing (On line)	24.04.2018 (15:00 hours)
6	Bid opening date for Technical Proposals (Online)	25.04.2018 (15.30 hours)

7) Prospective applicants are advised to note carefully the minimum qualification criteria as mentioned in 'Instructions to Bidders' stated in Section – 'A' before tendering the bids.

8) Conditional / Incomplete tender will not be accepted under any circumstances.

9) The intending Tenderers are required to quote the rate online.

10) During scrutiny, if it comes to the notice of the tender inviting authority that the credential or any other paper found incorrect /manufactured / fabricated, that bidder would not be allowed to participate in the tender and that application will be rejected without any prejudice.

11) The tender inviting authority reserves the right to cancel the N.I.T. due to unavoidable circumstances and no claim in this respect will be entertained.

12) Before issuance of the WORK/SUPPLY 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.

13) **Qualification Criteria:** The tender inviting and Accepting Authority through a "Tender Evaluation Committee" will determine the eligibility of each bidder.

The bidders shall have to meet all the minimum criteria regarding:

- 1) Financial Capacity



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- 2) Technical Capability comprising of personnel & equipment capability
  - 3) Experience / Credential
- 14) Escalation of Price on any ground and consequent cost overrun shall not be entertained under any circumstances. Rates should be quoted accordingly.

**SECTION - A**  
**INSTRUCTION TO BIDDERS**

1) General guidance for e-Tendering: Instructions / Guidelines for electronic submission of the tenders have been annexed for assisting the contractors to participate in e-Tendering.

**i. Registration of Contractor:**

Any tenderer willing to take part in the process of e-tendering will have to be enrolled and registered with the Government e procurement system, through logging on to <https://etender.wb.nic.in>. The tenderer is to click on the link for e-tendering site as given on the web portal.

**ii. Digital Signature certificate (DSC):**

Each contractor is required to obtain a Class-II or Class-III Digital Signature Certificate (DSC) for submission of tenders from the approved service provider of the National Informatics Centre (NIC) on payment of requisite amount. Details are available at the Web Site stated in Clause (i) above. DSC is given as a USB e-Token.

iii. The contractor can search & download N.I.T. & Tender Document(s) electronically from computer once he logs on to the website mentioned in Clause (i) using the Digital Signature Certificate. This is the only mode of collection of Tender Documents.

iv. Submission of Tenders: Tenders are to be submitted through online to the website stated in Clause (i) 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).

**2) Technical Proposal:**

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

**(A) Statutory Cover Containing the following documents:**

- a) PREQUALIFICATION DOCUMENTS: I. Prequalification Application (Sec-B, Form – I)
- b) Municipal Tender Form.
- c) N.I.T. (NIT and Municipal Tender Form downloaded properly and upload the same Digitally Signed). The rate will be quoted in the B.O.Q. Quoted rate will be encrypted in the B.O.Q. under Financial Bid. In case quoting any rate in Municipal Tender Form, the tender is liable to be summarily rejected.)

**(B) Non-statutory Cover containing the following documents:**

- i. Pan Card, GST Registration Certificate, Professional Tax (PT) payment certificate (current), Income Tax Return (current) & valid Trade License.
- 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).

**[N.B.: Failure of submission of any of the above mentioned documents as stated in Section A, 2(A) and 2(B) will render the tenderer liable to be rejected for both statutory & non statutory cover].**

**THE ABOVE STATED NON-STATUTORY / TECHNICAL DOCUMENTS SHOULD BE ARRANGED 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-**



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**Statutory folder. Next Click the tab “Click to Encrypt and upload” and then click the “Technical” Folder to upload the Technical Documents.**

<b><u>Sl. No.</u></b>	<b><u>Category</u></b>	<b><u>Name Sub-Category</u></b>	<b><u>Description Detail(s)</u></b>
<b>A.</b>	Certificate(s)	Certificate(s)	PAN Income Tax Return (current) GST Registration Certificate  Professional Tax payment certificate (current) Valid Trade License.
<b>B.</b>	Company Details	Company Details	Proprietorship Firm (Trade License) Partnership Firm (Partnership Deed , Trade License) LTD. Company (Incorporation Certificate, Trade License) Co-Operative Society(Society registration Certificate, Bye Laws, Upto Date Audited Balance Sheet) Power of Attorney(Registration)
<b>C.</b>	Credential	Credential	Having credential not less than 50% of the value of similar nature of work in a single contract during preceding 3 (Three) years

### **3) Tender Evaluation Committee (TEC)**

Evaluation Committee constituted by the Competent Authority of Khardah Municipality will function as Evaluation Committee for selection of Technically Qualified Contractors.

### **4) Opening & evaluation of tender:**

If any contractor is exempted from payment of EMD, copy of relevant Government Order needs to be furnished.

### **5) Opening of Technical Proposal:**

i) Technical proposals will be opened by the Concerned Tender Inviting Authority or his authorized representative electronically from the website using their Digital Signature Certificate (DSC).

ii) Intending Tenderers may remain present if they so desire.

iii) Cover (folder) for Statutory Documents [Ref. Section A, 2(A)] will be opened first and if found in order, cover (folder) for Non-Statutory Documents [Ref. Section A, 2(B)] will be opened. If there is any deficiency in the Statutory Documents the tender will summarily be rejected.

iv) Decrypted (transformed into readable formats) documents of the non-statutory cover will be downloaded & handed over to the Tender Evaluation Committee.

v) Summary list of technically qualified tenderers will be uploaded online.

vi) Pursuant to scrutiny & decision of the Tender Evaluation Committee the summary list of eligible tenderers & the serial number of work for which their proposal will be considered will be uploaded in the web portals.

vii) During evaluation the committee may summon of the tenderers & 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.





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**6) 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 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. Financial capacity of a bidder will be judged on the basis of information furnished by the Bidder.

**7) Penalty for suppression / distortion of facts:**

If any tenderer fails to produce the original hard copies of the documents like Completion Certificates and 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, it may be treated as submission of false documents by the tenderer and action may be referred to the appropriate authority for prosecution as per relevant IT Act.

**8) Rejection of Bid:**

The tender accepting authority reserves the right to accept or reject any Bid and to cancel the Bidding processes and reject all Bids at any time 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 tender accepting authority's action.

**9) Award of Contract**

The Bidder whose Bid has been accepted will be notified by the Tender Inviting & Accepting Authority through acceptance letter / Letter of Acceptance. The notification of award will constitute the formation of the Contract. The Agreement in Form No. 2906 will incorporate all agreements between the Tender Accepting Authority and the successful bidder. All the tender documents including N.I.T. & B.O.Q. will be the part of the contract documents. After receipt of Letter of Acceptance, the successful bidder shall have to submit



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**FORM – I**  
**SECTION – B**  
**PRE-QUALIFICATION APPLICATION**

To  
The Chairman,  
Khardah Municipality,  
Khardah, North24P.G.S

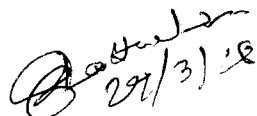
Name of Work: .....


E- tender notice no: .....  
S I. No:..... Dear Sir, Having examined the Statutory, Non-statutory & N.I.T. documents, 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 work(s) given in Enclosure to this letter. We understand that: 1) Tender Inviting & Accepting Authority can amend the scope & value of the contract bid under this project. 2) Tender Inviting & Accepting Authority reserve the right to accept full or part of the tender or reject any/or all tender(s) and/or negotiate by way of revised and/or improved offer from all the tenderers for the concerned job. Also the Authority of Khardah Municipality reserves the right to withdraw full or part of the tender without assigning any reason whatsoever.

Enclosure(s): e-Filling -  
1) Statutory Documents.  
2) Non Statutory Documents.

Date : .....

Seal and Signature of the Tender

  
Assistant Engineer  
Khardah Municipality

  
Chairman  
Khardah Municipality  
**Chairman**  
Khardah Municipality

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**KHARDAH, 24-PARGANAS (NORTH)**

**Annexure 1**

**Name of Work :- Proposed Plain Cement Concrete Road at Imran House to Md Muslim house in ward no -01 under Khardah Municipality**

Estimate prepared as per PWD (WB) schedule of rates for Building work materials and Labour for the year effective from 01.11.2017

Sl. No.	Item no.	Description of item	Quantity	Rate (₹)	Unit	Amount (₹)
1	Page-238 Item-3.16	Box cutting or filling in Road embankment in all sorts of soil including spreading the spoils properly over the flank as necessary or on berm to approximate grade & camber and rolling the sub-grade with power roller to proper camber and grade as per direction and satisfaction of Engineer-in-charge including uprooting and removing plants and jungles when and where necessary. Upto Depth 150mm	362.50	sqm	14.40	sqm 5220.00
2	Page - 1 Item - 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 items 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 1500mm	15.23	cum	11927.00	%Cum 1815.89
3	Page - 1 Item - 3(a)	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. 1/5 Th of Earth Work in Excavation	3.05	cum	7754.00	%Cum 236.11
4	Page - 2 Item - 4	A) 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)	54.38	cum	93621.00	%cu.m 50906.42
5	Page 34 Item 22(A)(a)	Cement concrete with graded Stone ballest (40 mm size) exchanging shuttering in ground floor. (a) 6:3:1 proportion	7.61	cum,	5190.00	cum, 39508.88
6	Page - 15 / It - 8(a)	250 mm. thick brick work with 1st class bricks in cement mortar (1:6) in ground floor. (a) In foundation & Plinth	16.31	cum,	5306.00	cum, 86554.13
7	Page-189 Item 1(ii)©	Plaster (to wall, floor, ceiling, etc) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface, including throating, nosing, and drip course where necessary (ground floor). With 6:1 cement mortar 15 mm thick plaster.	43.50	sqm	145.00	sqm 6307.50
8	Page 192 Item-15	Net Cement Punning about 1.5mm thick in wall,dado,window,sills,floors drain etc.	43.50	sqm	34.00	sqm 1479.00
9	Page 47 Item - 3	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.	435.00	sqm	24.00	sqm 10440.00
10	Page 43 Item - 38	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)	29.00	sqm	94.00	sqm 2726.00
11	Page 41 Item - 33	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	43.50	cum	5404.51	cum 235096.19
<b>Total Amount</b>						<b>440290.12</b>
<b>GST 12%</b>						<b>52834.83</b>
<b>Cost of civil works excluding labour welfare cess</b>						<b>493124.95</b>
<b>1% Cess</b>						<b>4931.25</b>
<b>Total Rs</b>						<b>498056.19</b>

**Rupees Four Lakhs Ninety Eight Thousand Fifty Six Only.**

**KHARDAH MUNICIPALITY**

**KHARDAH, 24-PARGANAS (NORTH)**

Annexure 2

**Name of Work : - Proposed Plain Cement Concrete Road at Sani Mandir to Bikash house Part-A & Kartik Bhattacharjee House to Ratan House in ward no -03 under Khardah Municipality**

Estimate prepared as per PWD (WB) schedule of rates for Building work materials and Labour for the year effective from 01.11.2017

Sl. No.	Item no.	Description of item	Quantity	Rate (₹)	Unit	Amount (₹)
1	Page-238 Item 3.16	Box cutting or filling in Road embankment in all sorts of soil including spreading the spoils properly over the flank as necessary or on berm to approximate grade & camber and rolling the sub-grade with power roller to proper camber and grade as per direction and satisfaction of Engineer-in-charge including uprooting and removing plants and jungles when and where necessary. Depth upto 150mm	397.80		sqm	5728.32
2	Page - 2 Item - 4	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 items includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete. Depth upto 1500mm	14.49		cum	1728.22
3	Page - 1 Item - 3(a)	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. 1/5 Th of Earth Work in Excavation	2.90		cum	224.71
4	Page - 2 Item - 4	A) 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)	59.67		cum	55863.65
5	Page 34 Item 22(A)(a)	Cement concrete with graded Stone ballest (40 mm size) exchanging shuttering in ground floor. (a) 6:3:1 proportion	7.25		cum	37601.55
6	Page - 15 / It - 8(a)	250 mm. thick brick work with 1st class bricks in cement mortar (1:6) in ground floor. (a) In Foundation & Plinth	15.53		cum	82375.65
7	Page-189 Item 1(ii)©	Plaster (to wall, floor, ceiling, etc) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface, including throating, nosing, and drip course where necessary (ground floor). With 4:1 cement mortar 15 mm thick plaster.	41.40		sqm	6003.00
8	Page 192 Item-15	Net Cement Punning about 1.5mm thick in wall, dado, window, sills, floors drain etc.	41.40		sqm	1407.60
9	Page 47 Item - 3	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.	466.80		sqm	11203.20
10	Page 43 Item - 38	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)	27.60		sqm	2594.40
11	Page 41 Item - 33	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	46.68		cum	252282.53
<b>Total Amount</b>						<b>457012.83</b>
<b>GST 12%</b>						<b>54841.54</b>
<b>Cost of civil works excluding labour welfare cess</b>						<b>511854.37</b>
<b>1% Cess</b>						<b>5118.54</b>
<b>Total Rs</b>						<b>516972.91</b>

**Rupees Five Lakhs Sixteen Thousand Nine Hundred Seventy Two Only**

**KHARDAH MUNICIPALITY**  
**KHARDAH, 24-PARGANAS (NORTH)**

Annexure 3

**Name of Work : - Proposed Plinth Cement Concrete Road at Sushil Dhor House to R.Rajbanshi House Part-A & Uttam House to Gopal House in ward no -06 under Khardah Municipality**

Estimate prepared as per PWD (WB) schedule of rates for Building work materials and Labour for the year effective from 01.11.2017

Sl. No.	Item no.	Description of item	Quantity		Rate (₹)	Unit	Amount (₹)
1	Page-238 Item - 3.16	Box cutting or filling in Road embankment in all sorts of soil including spreading the spoils properly over the flank as necessary or on berm to approximate grade & camber and rolling the sub-grade with power roller to proper camber and grade as per direction and satisfaction of Engineer-in-charge including uprooting and removing plants and jungles when and where necessary. (a) Depth Upto 150mm	396.00	sqm	14.40	sqm	5702.40
2	Page - 2 Item - 4	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 items includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete. (a) Depth no exceeding 1500 mm	15.23	cum	11927.00	%Cum	1815.89
3	Page - 1 Item - 3(a)	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. 1/5 Th of Earth Work in Excavation	3.05	cum	7754.00	%Cum	236.11
4	Page - 2 Item - 4	A) 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)	59.40	cum	93621.00	%cu.m	55610.87
5	Page 34 Item 27(A Va)	Cement concrete with graded Stone ballest (40 mm size) exchanging shuttering in ground floor. (a) 6:3:1 proportion	7.61	cum,	5190.00	cum,	39508.88
6	Page - 15 / It - 8(a)	250 mm. thick brick work with 1st class bricks in cement mortar (1:6) in ground floor. in foundation & Plinth	16.31	cum,	5306.00	cum,	86554.13
7	Page-189 Item 1(ii)©	Plaster (to wall, floor, ceiling, etc) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface, including throating, nosing, and drip course where necessary (ground floor). With 4:1 cement mortar 15 mm thick plaster.	43.50	sqm	145.00	sqm	6307.50
8	Page 192 Item-15	Net Cement Punning about 1.5mm thick in wall,dado,window,sills,floors drain etc.	43.50	sqm	34.00	sqm	1479.00
9	Page 47 Item - 3	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.	468.50	sqm	24.00	sqm	11244.00
10	Page 43 Item - 38	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)	29.00	sqm	94.00	sqm	2726.00
11	Page 41 Item - 33	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	46.85	cum	5404.51	cum	253201.29
<b>Total Amount</b>							<b>464386.08</b>
<b>GST 12%</b>							<b>55726.33</b>
<b>Cost of civil works excluding labour welfare cess</b>							<b>520112.41</b>
<b>1% Cess</b>							<b>5201.12</b>
<b>Total Rs</b>							<b>525313.53</b>

**Rupees Five Lakhs Twenty Five Thousand Three Hundred Thirteen Only**

KHARDAH MUNICIPALITY  
KHARDAH 24 Pgs(N)

Annexure 4

Name of The Work

Cement concrete Road at Ramkrishna Park,in Ward no-4,Under Khardah Municipality

Reference of Schedule

PWD,WB ,Schedule of Rates Volume-I (Incorporation of GST Act, 2017 & all Addenda & Corrigenda of SOR, 01.12.2015),Effective From 01.11.2017

SL NO	ITEM & PAGE NO	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	AMOUNT (Rs)
1	PAGE NO-1 ITEM NO-2(a)	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,	58.90	11927.00		7025.45
2	PAGE NO-34/ITEM NO-22(A)(a)	(I) Cement concrete with graded stone ballast (40 mm size excluding shuttering) In ground floor (A) [Pakur Variety] (a) 1:3:6 proportion	8.37	5190.00		43453.28
3	PAGE NO-15 ITEM NO-22	Brick work with 1st class bricks in cement mortar (1:6) (a) In foundation and plinth	19.55	5306.00		103715.70
4	PAGE NO-16/ITEM NO-16	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.	57.75	724.00		41811.00
5	PAGE NO-189/ITEM NO-1(i)⊕	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 (b) 15 mm thick plaster	178.44	145.00		25873.80
6	PAGE NO-192/ITEM NO-15	Neat cement punning about 1.5mm thick in wall,dado,window sill,floor etc. NOTE:Cement 0.152 cu.m per100 sq.m.	178.44	34.00		6066.96
7	PAGE NO-48/ITEM NO-6	Artificial stone in floor, dado, staircase etc with cement concrete (1:2:4) with stone chips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (1:2) including smooth finishing and rounding off corners including raking out joints or roughening of concrete surface and application of cement slurry before flooring works using cement @ 1.75 kg/sq.m all complete including all materials and labour. In ground floor. 3 mm. thick topping (High polishing grinding on this item is not permitted with ordinary cement). Using grey cement (i) 20 mm. thick	30.80	237.00		7299.60
8	PAGE NO-47/ITEM NO-3	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.	356.00	24.00		8544.00
9	PAGE NO-2/ITEM NO-4	(A) 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)	32.97	93621.00		30869.18
9	PAGE NO-41/ITEM NO-33	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.	29.16	5404.51		157595.51
Total Rs.						432254.48
GST @12 %						51870.54
Cost Excluding Cess						484125.02
CESS @ 1%						4841.25
						488966.27

(Rupees Four Lakh Eighty Eight Thousand Nine Hundred Sixty Six Only)

**KHARDAH MUNICIPALITY**  
**KHARDAH, 24-PARGANAS (NORTH)**

**Annexure 5**

**Name of the work:- Proposed Construction of surface drain at sunil chatterjee house to naba bhuvan garrege in ward no -05 under Khardah Municipality.**

Estimate prepared as per PWD (WB) schedule of rates for Building work materials and Labour for the year effective from 01.11.2017

Sl. No.	Item no.	Description of item	Quantity	Rate (₹)	Unit	Amount (₹)
1	Page-1 Item 2(a)	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 spils within a lead of 75 m. as directed. The items includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete.  Depth not Exceeding 1500 mm	130.72 cu.m	11927.00	%Cum	15590.97
2	Page - 1 Item - 3(a)	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.  1/5 Th of Earth Work in Excavation	26.14 cu.m	7754.00	%Cum	2027.21
3	Page-14 / It - 1	Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand.	137.60 sqm	358.00	sqm	49260.80
4	Page 34 Item 22(A)(a)	Cement concrete with graded Stone ballest (40 mm size) exchanging shuttering in ground floor. (a) 6:3:1 proportion	27.52 cu.m	5190.00	cu.m	142828.80
5	Page - 15 / It - 8(a)	Brick work with 1st class bricks in cement mortar (1:6)  In Foundation & Plinth	12.90 cu.m	5306.00	cu.m	68447.40
6	Page - 16 / It - 16	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.	51.60 sqm	724.00	sqm	37358.40
7	Page - 48 / It - 6(i)	Artificial stone in floor, dado, staircase etc with cement concrete (1:2:4) with stone chips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (1:2) including smooth finishing and rounding off corners including raking out joints or roughening of concrete surface and application of cement slurry before flooring works using cement @ 1.75 kg/sq.m all complete including all materials and labour.In ground floor. 3 mm. thick topping (High polishing grinding on this item is not permitted with ordinary cement). Using grey cement (i) 20 mm. thick	55.90 sqm	237.00	sqm	13248.30
8	Page- 189 Item 1(ii)©	Plaster (to wall, floor, ceiling, etc) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface, including throating, nosing, and drip course where necessary (ground floor).With 4:1 cement mortar 15 mm thick plaster .	167.70 sqm	145.00	sq.m	24316.50
9	Page 192 Item-15	Net Cement Punning about 1.5mm thick in wall,dado>window,sills,floors drain etc.  Same as plastering	167.70 sqm	34.00	sq.m	5701.80
Total Amount						358780.18
GST 12%						43053.62
Cost of civil works excluding labour welfare cess						401833.80
1% Cess						4018.34
Say Rs						405852.14

**Rupees Four Lakhs Five Thousand Eight Hundred Fifty Two Only**

**KHARDAH MUNICIPALITY**

KHARDAH 24 Pgs(N)

Annexure 6

Name of The Work

Construction of Drains at Back Side of Vivekananda School, in Ward No-2, Under Khardah Municipality

Reference of Schedule

PWD, WB, Schedule of Rates Volume-I (Incorporation of GST Act, 2017 & all Addenda & Corrigenda of SOR, 01.12.2015), Effective From 01.11.2017

SL. NO	ITEM & PAGE NO	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	AMOUNT (Rs)
1	PAGE NO-1 ITEM NO-2(a)	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 Depth Not Exceeding Upto 1500mm	75.25	11927.00	% Cum	8975.05
2	PAGE NO-34/ITEM NO-22	(I) Cement concrete with graded stone ballast (40 mm size excluding shuttering) In ground floor (I) [Pakur Variety] (a) 1:3:6 proportion	11.11	5190.00	Cum	57660.90
3	PAGE NO-15 ITEM NO-8(a)	Brick work with 1st class bricks in cement mortar (1:6) (a) In foundation and plinth	19.05	5306.00	Cum	101079.30
4	PAGE NO-16/ITEM NO-16	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.	76.20	724.00	Sq.m	55168.8
5	PAGE NO-48/ITEM NO-6	Artificial stone in floor, dado, staircase etc with cement concrete (1:2:4) with stone chips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (1:2) including smooth finishing and rounding off corners including raking out joints or roughening of concrete surface and application of cement slurry before flooring works using cement @ 1.75 kg/sq.m all complete including all materials and labour. In ground floor. 3 mm. thick topping (High polishing grinding on this item is not permitted with ordinary cement). Using grey cement mm. thick (i) 20	50.80	237.00	Sq.m	12039.60
6	PAGE NO-189 ITEM NO-1	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 15 mm thick plaster (b)	200.03	145.00	Sq.m	29004.35
7	PAGE NO-192/ITEM NO-15	Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc. NOTE: Cement 0.152 cu.m per 100 sq.m.	200.03	34.00		6801.02
8	PAGE NO-1/ITEM NO-3(a)	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.	15.05	7754.00		1166.98
9	PAGE NO-47/ITEM NO-3	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.	87.00	24.00	Sq.m	2088.00
11	PAGE NO-41/ITEM NO-33	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. Rate Analysis Attached	8.70	5404.51	Cum	47019.24

(Rupees Three Lakhs Sixty Three Thousand One Hundred Eighteen only)

Total Rs	321003.24
GST @12%	38520.39
Cost Excluding Cess	359523.63
CESS @ 1%	3595.24
<b>GRAND TOTAL</b>	<b>363118.87</b>



**KHARDAH MUNICIPALITY**

**KHARDAH, 24-PARGANAS (NORTH)**

Annexure 7

**Name of Work : - Proposed Plinth Cement Concrete Road at Salayen Bari Goli Part-A & Dostider Bagan Goli -B House in ward no -07 under Khardah Municipality**

Estimate prepared as per PWD (WB) schedule of rates for Building work materials and Labour for the year effective from 01.11.2017

Sl. No.	Item no.	Description of item	Quantity	Rate (₹)	Unit	Amount (₹)
1	Page-238 Item-3.16	Box cutting or filling in Road embankment in all sorts of soil including spreading the spoils properly over the flank as necessary or on berm to approximate grade & camber and rolling the sub-grade with power roller to proper camber and grade as per direction and satisfaction of Engineer-in-charge including uprooting and removing plants and jungles when and where necessary. Upto 1500 mm	362.50	sqm	14.40	5220.00
2	Page - 2 Item - 4	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 items includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete. Depth not Exceeding 1500 mm	14.28	cum	11927.00	1703.18
3	Page - 1 Item - 3(a)	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. 1/5 Th of Earth Work in Excavation	2.86	cum	7754.00	221.45
4	Page - 2 Item - 4	A) 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)	54.38	cum	93621.00	50906.42
5	Page 34 Item 33(a)	Cement concrete with graded Stone ballest (40 mm size) exchanging shuttering in ground floor. (a) 6:3:1 proportion	7.14	cum,	5190.00	37056.60
6	Page - 15 / It - 8(a)	250 mm. thick brick work with 1st class bricks in cement mortar (1:6) in ground floor.	15.30	cum,	5306.00	81181.80
7	Page-189 Item 1(ii)©	Plaster (to wall, floor, ceiling, etc) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface, including throating, nosing, and drip course where necessary (ground floor). With 4:1 cement mortar 15 mm thick plaster.	40.80	sqm	145.00	5916.00
8	Page 192 Item-15	Net Cement Punning about 1.5mm thick in wall,dado,window,sills,floors drain etc.	40.80	sqm	34.00	1387.20
9	Page 47 Item - 3	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.	430.50	sqm	24.00	10332.00
10	Page 43 Item - 38	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)	27.20	sqm	94.00	2556.80
11	Page 41 Item - 33	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	43.05	cum	5404.51	232664.16
<b>Total Amount</b>						<b>429145.60</b>
<b>GST 12%</b>						<b>51497.47</b>
<b>Cost of civil works excluding labour welfare cess</b>						<b>480643.07</b>
<b>1% Cess</b>						<b>4806.43</b>
<b>Total Rs</b>						<b>485449.50</b>

**KHARDAH MUNICIPALITY**

**KHARDAH, 24-PARGANAS (NORTH)**

Annexure 8

**Name of Work : - Proposed Plain Cement Concrete Road at Das Vila House to Bikash House Part-A & Biswanth House to Dr.Kakoli House Part-B in ward no -08 under Khardah Municipality**

Estimate prepared as per PWD (WB) schedule of rates for Building work materials and Labour for the year effective from 01.11.2017

Sl. No.	Item no.	Description of item	Quantity	Rate (₹)	Unit	Amount (₹)
1	Page-238 Item-3.16	Box cutting or filling in Road embankment in all sorts of soil including spreading the spoils properly over the flank as necessary or on berm to approximate grade & camber and rolling the sub-grade with power roller to proper camber and grade as per direction and satisfaction of Engineer-in-charge including uprooting and removing plants and jungles when and where necessary. Depth Upto 150 mm	418.00	sqm	14.40	sqm 6019.20
2	Page - 2 Item - 4	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 items includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete. Depth not Exceeding 1500 mm	14.18	cum	11927.00	%Cum 13270.78
3	Page - 1 Item - 3(a)	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. 1/5 Th of Earth Work in Excavation	2.84	cum	7754.00	%Cum 219.83
4	Page - 2 Item - 4	A) 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)	62.70	cum	93621.00	%cu.m 58700.37
5	Page 34 Item 33(a)	Cement concrete with graded Stone ballest (40 mm size) exchanging shuttering in ground floor. (a) 6:3:1 proportion	7.09	cum,	5190.00	cum, 36784.13
6	Page - 15 / It - 8(a)	250 mm. thick brick work with 1st class bricks in cement mortar (1:6) in ground floor. In Foundation & Plinth	15.19	cum,	5306.00	cum, 80584.88
7	Page-189 Item-1(i)©	Plaster (to wall, floor, ceiling, etc) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface, including throating, nosing, and drip course where necessary (ground floor). With 4:1 cement mortar 15 mm thick plaster.	40.50	sqm	145.00	sqm 5872.50
8	Page 192 Item-15	Net Cement Punning about 1.5mm thick in wall,dado,window,sills,floors drain etc.	40.50	sqm	34.00	sqm 1377.00
9	Page 47 Item - 3	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.	418.00	sqm	24.00	sqm 10032.00
10	Page 43 Item - 38	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)	27.00	sqm	94.00	sqm 2538.00
11	Page 41 Item - 33	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	48.55	cum	5404.51	cum 262388.96
<b>Total Amount</b>						<b>466207.63</b>
<b>GST 12%</b>						<b>55944.92</b>
<b>Cost of civil works excluding labour welfare cess 1% Cess</b>						<b>522152.55</b>
<b>Total Rs</b>						<b>522153</b>
<b>Total Rs</b>						<b>527374.07</b>

**Rupees Five Lakhs Twenty Seven Thousand Three Hundred Seventy Four Only**

KHARDAH MUNICIPALITY

KHARDAH 24 Pgs(N)

Annexure 9

Name of The Work

Construction of Cement Concrete Road at Backside of Platfrom No-4,in Ward No-11, Under Khardah Municipality

Reference of Schedule

PWD,WB ,Schedule of Rates Volume-I (Incorporation of GST Act, 2017 & all Addenda & Corrigenda of SOR, 01.12.2015),Effective From 01.11.2017

SL NO	ITEM & PAGE NO	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	AMOUNT (Rs)
1	PAGE NO-15 ITEM NO-22	Brick work with 1st class bricks in cement mortar (1:6) (a) In foundation and plinth  1 x 58.50 m x 0.25 m x 0.15 m = 2.19 Cum 2 x 64.50 m x 0.25 m x 0.075 m = 2.42 Cum 1 x 9.50 m x 0.25 m x 0.075 m = 0.18 Cum 4.79 Cum	7.43 Cum	5306.00	Cum	39423.58
2	PAGE NO-16/ITEM NO-16	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.  1 x 58.50 m x 0.15 m = 8.78 Sq.m 2 x 50.00 m x 0.15 m = 15.00 Sq.m 23.78 Sq.m	118.80 Sq.m	724.00	Sq.m	86011.20
3	PAGE NO-189/ITEM NO-1(i)©	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 (b) 15 mm thick plaster  1 x 58.50 m x 0.30 m = 17.55 Sq.M 2 x 64.50 m x 0.07 m = 9.03 Sq.M 1 x 58.50 m x 0.15 m = 8.78 Sq.M 2 x 50.00 m x 0.15 m = 15.00 Sq.M 50.36 Sq.M	133.65 Sq.M	145.00	Sq.M	19379.25
4	PAGE NO-192/ITEM NO-15	Neat cement punning about 1.5mm thick in wall,dado,window sill,floor etc. NOTE:Cement 0.152 cu.m per100 sq.m. Area same as plastering = 133.65 Sq.M	133.65 Sq.M	34.00	Sq.M	4544.10
5	PAGE NO-2/ITEM NO-4	(A) 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)  1 x 58.50 m x 3.00 m x 0.05 m = 8.775 Cum 8.775 Cum	29.7 Cum	93621.00	% Cum	27805.44

6	PAGE NO-46/ITEM NO-13	<p>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.</p> <p>1 x 88.50 m x 3.00 m = 265.5 Sq. M  1 x 34.50 m x 3.00 m = 103.50 Sq. M  1 x 9.50 m x 4.70 m = 44.65 Sq. M  1 x 50.00 m x 3.10 m = 155.00 Sq. M  568.65 Sq. M</p>	594.00 Sq. M	25.00 Sq. M	14850.00	
7	PAGE NO-41/ITEM NO-33	<p>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.</p> <p>1 x 88.50 m x 3.00 m x 0.10 m = 26.55 Cum  1 x 34.50 m x 3.00 m x 0.10 m = 10.35 Cum  1 x 9.50 m x 4.70 m x 0.10 m = 4.47 Cum  1 x 50.00 m x 3.10 m x 0.10 m = 15.50 Cum  1 x 15.50 m x 5.00 m x 0.12 m = 9.30 Cum  66.17 Cum</p>	59.04 Cum	5404.51 Cum	319082.27	
					Total Rs.	511095.84
					GST @12 %	61331.50
					Cost Excluding Cess	572427.34
					CESS @ 1%	5724.27
					GRAND TOTAL	578151.61

Rupees Five Lakhs Seventy Eight Thousand One Hundred Fiftv One Only)

**KHARDAH MUNICIPALITY**  
**KHARDAH, 24-PARGANAS (NORTH)**

Annexure 10

**Name of Work :- Proposed Plain Cement Concrete Road at Khardah Water Tank to Sumita Das House Part-A in ward no -10 under Khardah Municipality**

Estimate prepared as per PWD (WB) schedule of rates for Building work materials and Labour for the year effective from 01.11.2017

Sl. No.	Item no.	Description of item	Quantity	Rate (₹)	Unit	Amount (₹)
1	Page-238 Item-3.16	Box cutting or filling in Road embankment in all sorts of soil including spreading the spoils properly over the flank as necessary or on berm to approximate grade & camber and rolling the sub-grade with power roller to proper camber and grade as per direction and satisfaction of Engineer-in-charge including uprooting and removing plants and jungles when and where necessary.  1 x 105.00 m x 3.20 m = 336.00 sqm 1 x 25.00 m x 2.50 m = 62.50 sqm 398.50 sqm	398.50		sqm	5738.40
2	Page - 2 Item - 4	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 items includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete.  2 X 105.00 m x 0.30 m x 0.15 m = 9.45 cum 2 X 25.00 m x 0.30 m x 0.15 m = 2.25 cum 11.70 cum	11.70		cum	10953.66
3	Page - 1 Item - 3(a)	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.  1/5 Th of Earth Work in Excavation = 2.34 cum	2.34		cum	181.44
4	Page - 2 Item - 4	A) 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)  1 x 105.00 m x 3.20 m x 0.150 m = 50.40 cu.m 1 x 25.00 m x 2.50 m x 0.150 m = 9.38 cu.m 59.78 cu.m	59.78		cu.m	55961.95
6	Page - 15 /lt - 8(a)	250 mm. thick brick work with 1st class bricks in cement mortar (1:6) in ground floor.  2 x 0.00 m x 0.25 m x 0.225 m = 0.00 cum, 2 x 0.00 m x 0.25 m x 0.225 m = 0.00 cum, 0.00 cum,	0.00		cum,	0.00
7	Page-189 Item 1(ii)⊙	Plaster (to wall, floor, ceiling, etc) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface, including throating, nosing, and drip course where necessary (ground floor). With 4:1 cement mortar 15 mm thick plaster  2 x 105.00 m x 0.15 m = 31.50 sqm 2 x 0.00 m x 0.15 m = 0.00 sqm 31.50 sqm	31.50		sqm	4567.50
8	Page 192 Item-15	Net Cement Punning about 1.5mm thick in wall,dado,window,sills,floors drain etc.  = 31.50 sqm	31.50		sqm	1071.00
9	Page 47 Item - 3	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.  1 x 105.00 m x 3.20 m = 336.00 sqm 1 x 0.00 m x 2.50 m = 0.00 sqm = 336.00 sqm	491.50		sqm	11796.00
10	Page 41 Item - 33	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement,if any, in ground floor as per relevant IS codes. a) Pakur Variety  1 x 105.00 m x 3.70 m x 0.10 m = 38.85 Cum 1 x 0.00 m x 3.50 m x 0.10 m = 0.00 Cum 38.85 Cum	38.85		Cum	209961.72
11	Page-43, Item-38	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)	27.00		Sq.M	2538.00

Total Amount 447658.90

GST 12% 53719.07

Cost of civil works excluding labour welfare cess 501377.97

1% Cess 5013.78

Total Rs 506391.75

Rupees Five Lakhs Six Thousand ThreeHundred Ninety One Only

**KHARDAH MUNICIPALITY**  
**KHARDAH, 24-PARGANAS (NORTH)**

Annexure 11

**Name of Work :- Proposed Plain Cement Concrete Road at Gvt. Colony Part-A & Part-B in ward no -12 under Khardah Municipality**

Estimate prepared as per PWD (WB) schedule of rates for Building work materials and Labour for the year effective from 01.11.2017

Sl. No.	Item no.	Description of item	Quantity	Rate (₹)	Unit	Amount (₹)
1	Page-238 Item-3.16	Box cutting or filling in Road embankment in all sorts of soil including spreading the spoils properly over the flank as necessary or on berm to approximate grade & camber and rolling the sub-grade with power roller to proper camber and grade as per direction and satisfaction of Engineer-in-charge including uprooting and removing plants and jungles when and where necessary.  1 x 75.00 m x 3.50 m = 262.50 sqm 1 x 65.00 m x 2.80 m = 182.00 sqm <b>444.50 sqm</b>	444.50		sqm	6400.80
2	Page - 2 Item - 4	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 items includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete.  2 X 75.00 m x 0.30 m x 0.15 m = 6.75 cum 2 X 65.00 m x 0.30 m x 0.15 m = 5.85 cum <b>12.60 cum</b>	12.60	93821.00	%Cum	11796.25
3	Page - 1 Item - 3(a)	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.  1/5 Th of Earth Work in Excavation = 2.52 cum	2.52	7754.00	%Cum	195.40
4	Page - 2 Item - 4	A) 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)  1 x 75.00 m x 3.50 m x 0.150 m = 39.38 cu.m 1 x 65.00 m x 2.80 m x 0.150 m = 27.30 cu.m <b>66.68 cu.m</b>	66.68	93821.00	%cu.m	62421.80
6	Page - 15 / II - 8(a)	250 mm. thick brick work with 1st class bricks in cement mortar (1:6) in ground floor.  2 x 0.00 m x 0.25 m x 0.225 m = 0.00 cum, 2 x 0.00 m x 0.25 m x 0.225 m = 0.00 cum, <b>0.00 cum,</b>	0.00	5306.00	cum,	0.00
7	Page-189 Item 1(ii)⊙	Plaster (to wall, floor, ceiling, etc) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface, including throating, nosing, and drip course where necessary (ground floor). With 4:1 cement mortar 15 mm thick plaster.  2 x 75.00 m x 0.15 m = 22.50 sqm 2 x 0.00 m x 0.15 m = 0.00 sqm <b>22.50 sqm</b>	22.50	145.00	sqm	3262.50
8	Page 192 Item-15	Net Cement Punning about 1.5mm thick in wall,dado,window,sills,floors drain etc.  = 22.50 sqm	22.50	34.00	sqm	765.00
9	Page 47 Item - 3	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.  1 x 75.00 m x 3.50 m = 262.50 sqm 1 x 0.00 m x 2.80 m = 0.00 sqm <b>262.50 sqm</b>	480.40	24.00	sqm	11529.60
10	Page 43 Item 38	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)	25.60	94.00	Sqm	2406.40
11	Page 41 Item - 33	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement,if any, in ground floor as per relevant IS codes. a) Pakur Variety  1 x 75.00 m x 4.00 m x 0.10 m = 30.00 Cum 1 x 0.00 m x 3.30 m x 0.10 m = 0.00 Cum <b>30.00 Cum</b>	30.00	5404.42	Cum	162132.60
<b>Total Amount</b>						<b>434582.08</b>
GST 12%						52149.85
<b>Cost of civil works excluding labour welfare cess</b>						<b>486731.93</b>
1% Cess						4867.32
<b>Total Rs</b>						<b>491599.25</b>

**KHARDAH MUNICIPALITY**  
KHARDAH, 24-PARGANAS (NORTH)

Annexure 12

**Name of Work :- Proposed Plain Cement Concrete Road at Khardah Station Road near Surya Sen Play Ground Part-A & Part-B in ward no -13 under Khardah Municipality**

Estimate prepared as per PWD (WB) schedule of rates for Building work materials and Labour for the year effective from 01.11.2017

Sl. No.	Item no.	Description of item	Quantity	Rate (₹)	Unit	Amount (₹)
1	Page-238 Item-3.16	Box cutting or filling in Road embankment in all sorts of soil including spreading the spoils properly over the flank as necessary or on berm to approximate grade & camber and rolling the sub-grade with power roller to proper camber and grade as per direction and satisfaction of Engineer-in-charge including uprooting and removing plants and jungles when and where necessary.  1 x 90.00 m x 2.20 m = 198.00 sqm 1 x 65.00 m x 2.50 m = 162.50 sqm 360.50 sqm	360.50		sqm	5191.20
2	Page - 2 Item - 4	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 items includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete.  2 X 90.00 m x 0.30 m x 0.15 m = 8.10 cum 2 X 65.00 m x 0.30 m x 0.15 m = 5.85 cum 13.95 cum	13.95		cum	13060.13
3	Page - 1 Item - 3(a)	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.  1/5 Th of Earth Work in Excavation = 2.79 cum	2.79		cum	216.34
4	Page - 2 Item - 4	A) 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)  1 x 90.00 m x 2.20 m x 0.150 m = 29.70 cu.m 1 x 65.00 m x 2.50 m x 0.150 m = 24.38 cu.m 54.08 cu.m	54.08		cu.m	50625.56
6	Page - 15 / It - 8(a)	250 mm. thick brick work with 1st class bricks in cement mortar (1:6) in ground floor.  2 x 0.00 m x 0.25 m x 0.225 m = 0.00 cum, 2 x 0.00 m x 0.25 m x 0.225 m = 0.00 cum, 0.00 cum,	0.00		cum,	0.00
7	Page-189 Item 1(ii)⊙	Plaster (to wall, floor, ceiling, etc) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface, including throating, nosing, and drip course where necessary (ground floor). With 4:1 cement mortar 15 mm thick plaster  2 x 90.00 m x 0.15 m = 27.00 sqm 2 x 0.00 m x 0.15 m = 0.00 sqm 27.00 sqm	27.00		sqm	3915.00
8	Page 192 Item-15	Net Cement Punning about 1.5mm thick in wall,dado,window,sills,floors drain etc.  = 27.00 sqm	27.00		sqm	918.00
9	Page 47 Item - 3	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.  1 x 90.00 m x 2.20 m = 198.00 sqm 1 x 0.00 m x 2.50 m = 0.00 sqm = 198.00 sqm	198.00		sqm	4752.00
10	Page 41 Item - 33	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement,if any, in ground floor as per relevant IS codes. a) Pakur Variety  1 x 90.00 m x 2.70 m x 0.10 m = 24.30 Cum 1 x 0.00 m x 3.00 m x 0.10 m = 0.00 Cum 24.30 Cum	24.30		Cum	131327.41
11	Page-43 Item-38	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)	519.40		Sq.m	12477.60
<b>Total Amount</b>						<b>438437.80</b>
GST 12%						<b>52612.54</b>
Cost of civil works excluding labour welfare cess						<b>491050.34</b>
1% Cess						<b>4910.50</b>
<b>Total Rs</b>						<b>495960.84</b>

**Name of Work : - Proposed Plain Cement Concrete Road at Itkholo to Charubala Health Centre Part-A in ward no -14 under Khardah Municipality**

Estimate prepared as per PWD (WB) schedule of rates for Building work materials and Labour for the year effective from 01.11.2017

Sl. No.	Item no.	Description of item	Quantity	Rate (₹)	Unit	Amount (₹)
1	Page - 1 Item - 2(a)	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.  2 X 148.00 m x 0.35 m x 0.125 m = 12.95 cum 12.95 cum	12.95		cum	11927.00
					%Cum	1544.55
2	Page 34 Item 22(A)(a)	(I) Cement concrete with graded stone ballast (40 mm size excluding shuttering) In ground floor (A) [Pakur Variety] proportion (a) 1:3:6  2 x 148.00 m x 0.35 m x 0.075 m = 7.77 cum 7.77 cum	7.77		cum	5190.00
					cum	40326.30
3	Page - 15 / It - 8(a)	Brick work with 1st class bricks in cement mortar (1:6) foundation and plinth (a) In  2 x 148.00 m x 0.25 m x 0.15 m = 11.10 cum 11.10 cum	11.10		cum	5306.00
					cum	58896.60
4	Page - 1 Item - 3(a)	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.  1/5 Th of Earth Work in Excavation = 2.59 cum	2.59		cum	7754.00
					%Cum	200.83
6	Page - 2 Item - 4(a)	A) 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)  1 x 148.00 m x 0.00 m x 0.100 m = 0.00 cu.m 0.00 cu.m	0.00		cu.m	93621.00
					%cu.m	0.00
7	Page- 189 Item 1(ii)⊙	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  2 x 148.00 m x 0.10 m = 29.60 sqm 29.60 sqm	29.60		sqm	145.00
					sqm	4292.00
8	Page 192 Item-15	Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc. NOTE: Cement 0.152 cu.m per 100 sq.m.  = 29.60 sqm	29.60		sqm	34.00
					sqm	1006.40
9	Page 47 Item - 3	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.  1 x 148.00 m x 4.40 m = 577.20 sqm = 577.20 sqm	577.20		sqm	24.00
					sqm	13852.80
10	Page 43 Item - 38	Hire and Labour Charges for shuttering with hard wood for precast R.C. Slab curved, or straight 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)  2 x 148.00 m x 0.10 m = 29.60 sqm 29.60 sqm	29.60		sqm	94.00
					sqm	2782.40
11	Page 41 Item - 33	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (6mm nominal size) excluding shuttering and reinforcement, if any, in ground floor as per relevant IS codes, Pakur variety (Rate as per Annalysis Submitted)  1 x 148.00 m x 3.70 m x 0.10 m = 54.76 Cum 54.76 Cum	54.76		Cum	5404.51
					cum	295950.97
<b>Total Amount</b>						<b>469191.75</b>
GST 12%						<b>56303.01</b>
<b>Cost of civil works excluding labour welfare cess</b>						<b>525494.76</b>
1% Cess						<b>5254.95</b>
<b>Total Rs</b>						<b>530749.71</b>

**Rupees Five Lakhs Thirty Thousand Seven Hundred Forty Nine Only)**



**KHARDAH MUNICIPALITY**  
**KHARDAH, 24-PARGANAS (NORTH)**

Annexure 14

**Name of Work :- Proposed Plain Cement Concrete Road at Jute Mil kacha Line Part-A & part-B in ward no -15 under Khardah Municipality**

Estimate prepared as per PWD (WB) schedule of rates for Building work materials and Labour for the year effective from 01.11.2017

Sl. No.	Item no.	Description of item	Quantity		Rate (₹)	Unit	Amount (₹)
1	Page - 1 Item - 2(a)	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.	13.30	cum	11927.00	%Cum	1586.29
2	Page 34 Item 22(A)(a)	(I) Cement concrete with graded stone ballast (40 mm size excluding shuttering) In ground floor (A) [Pakur Variety] proportion (a) 1:3:6	7.98	cum	5190.00	cum	41416.20
3	Page - 15 / It - 8(a)	Brick work with 1st class bricks in cement mortar (1:6) (a) In foundation and plinth	11.40	cum	5306.00	cum	60488.40
4	Page - 1 Item - 3(a)	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. 1/5 Th of Earth Work in Excavation	2.66	cum	7754.00	%Cum	206.26
6	Page - 2 Item - 4(a)	A) 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)	43.44	cum	93621.00	%cu.m	40668.96
7	Page- 189 Item 1(ii)©	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	30.40	sqm	145.00	sqm	4408.00

8	Page 192 Item-15	Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc. NOTE:Cement 0.152 cu.m per100 sq.m.	30.40	sqm	34.00	sqm	1033.60
9	Page 47 Item - 3	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.	540.80	sqm	24.00	sqm	9187.20
10	Page 43 Item - 38	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)	30.40	sqm	94.00	sqm	2857.60
11	Page 41 Item - 33	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (6mm nominal size) excluding shuttering and reinforcement,if any, in gound floor as per relevant IS codes.Pakur variety (Rate as per Annalysis Submitted)	51.04	cum	5404.51	cum	275846.19
<b>Total Amount</b>							<b>441490.82</b>
<b>GST 12%</b>							<b>52978.90</b>
<b>Cost of civil works excluding labour welfare cess</b>							<b>494469.72</b>
<b>1% Cess</b>							<b>4944.70</b>
<b>Total Rs</b>							<b>499414.42</b>

**KHARDAH MUNICIPALITY**

KHARDAH 24 Pgs(N)

Annexure 15

Name of The Work

**Construction of Toilet Block at Kacha Line in Ward No-15, Under Khardah Municipality**

Reference of Schedule PWD, WB ,Schedule of Rates Volume-I (Incorporation of GST Act, 2017 & all Addenda & Corrigenda of SOR, 01.12.2015), Effective From 01.11.2017 & Volume-II Sanitary & Plumbing Works Effective From 01.11.2017

SL NO	ITEM & PAGE NO	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	AMOUNT (Rs)
1	PAGE NO-1 ITEM NO-2(a)	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.	25.83 Cum	11927.00	%Cum	3080.74
2	PAGE NO-14 ITEM NO-1	Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand.	79.01 Sq.M.	358.00	Sq.M.	28284.69
3	PAGE NO-23 ITEM NO-1(a)	Cement concrete with graded jhama khoa (30 mm size) excluding shuttering In ground floor and foundation. (a) 1:3:6 proportion	5.08 Cu.M.	4572.00	Cu.M.	23246.05
4	PAGE NO-42 ITEM NO-36(a)	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor) mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge. (a) 25	166.29 Sq.m	335.00	Sq.m	55707.15
5	PAGE NO-26 ITEM NO-10(i)	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 <b>Rate as Per Analysis Attached</b>	19.21 Cu.M.	5955.16	Cu.M.	114372.57
6	PAGE NO-43 ITEM NO-40(a)(i)/	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 TATA/RINL <b>Rate as Per Analysis Attached</b>	1.809 MT	57237.85	MT	103552.99
7	PAGE NO-1 ITEM NO-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.	5.51 cum	7754.00	%Cum	427.58
8	PAGE NO-2 ITEM NO-4	(A) 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)	20.14 cum	93621.00	%Cum	18853.98
9	PAGE NO-15 ITEM NO-8	Brick work with 1st class bricks in cement mortar (1:6) (a) In foundation and plinth (b) In superstructure, ground floor	7.28 Cu.M. 20.87 Cu.M.	5306.00 5529.00	Cu.M. Cu.M.	38601.15 115362.59
10	PAGE NO-16 ITEM NO-16	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.	77.43 Sq.M	724.00	Sq.M	56059.32
11	PAGE NO-189 ITEM NO-1	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] Ceiling Plaster (c) 10 mm thick plaster (ii) With 1:4 cement mortar Inside Plaster(b) 20 mm thick plaster (i) With 1:6 cement mortar Outside 15 mm thick plaster (i) With 1:6 cement mortar	47.33 Sq.M 253.44 Sq.M 126.96 Sq.M	129.00 167.00 145.00	Sq.M Sq.M Sq.M	6105.73 42324.48 18409.20
12	PAGE NO-204 ITEM NO-5(b)	(b) Rendering the surface of walls and ceiling with white cement based wall putty of approved make and brand(1.5mm thick)	300.77 Sq.M	110.00	Sq.M	33084.84
13	PAGE NO-196 ITEM NO-10	Acrylic Distemper to interior wall, ceiling with a coat of solvent based interior grade acrylic primer (as per manufacturer's specification) including cleaning and smoothing of surface. Two Coats	300.77 Sq.M	70.00	Sq.M	21053.99
14	PAGE NO-200 ITEM NO-2(a)(iv)	(A) Painting with best quality synthetic enamel paint of approved make and brand including smoothing surface by sand papering etc. including using of approved putty etc. on the surface, if necessary : On steel or other metal surface (iv) Two coats (with any shade except white)	2.00 Sq.M	72.00	Sq.M	144.00

	PAGE NO-197 ITEM NO-17	Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification and as per direction of Engineer-in-Charge to be applied over acrylic primer as required. The rate includes cost of material, labour, scaffolding and all incidental charges but excluding the cost of primer In Ground floor (Two Coat) a) Normal Acrylic Emulsion	126.96 SQM	67.00	SQM	8506.32
16	PAGE NO-48 ITEM NO-6(i)	Artificial stone in floor, dado, staircase etc with cement concrete (1:2:4) with stone chips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (1:2) including smooth finishing and rounding off corners including raking out joints or roughening of concrete surface and application of cement slurry before flooring works using cement @ 1.75 kg/sq.m all complete including all materials and labour. In ground floor.3 mm. thick topping (High polishing grinding on this item is not permitted with ordinary cement).Using grey cement (i) 20 mm. thick	47.33 sqm	237.00	sqm	11217.51
17	PAGE NO-104 ITEM NO-13(a)(i)	(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.	0.162 Qntl	7238.00	Qntl	1172.56
18	PAGE NO-106 ITEM NO-18	Collapsible gate with 40mm x 40mm x 6mm Tee as top and bottom guide rail, 20mm x 10mm x 2mm vertical channels 100mm apart in fully stretched position 20mm x 5mm M.S. flats as collapsible bracings properly rivetted and washered including 38mm steel rollers including locking arrangements, fitted and fixed in position with lugs set in cement concrete and including cutting necessary holes, chasing etc. in walls, floors etc. and making good damages complete. In ground floor.	5.04 Sq.M	3402.00	sqm	17146.08
19	PAGE NO-128 ITEM NO-19(A)	Supplying, fitting & fixing factory made foam PVC (density shall not be less than 600 kg/cum) door frame (finished weight of 2.73 kg/mtr.) of size 100mm X 45mm made off with 5mm thick extruded foam PVC sheet, mitre cut at junction of horizontal and vertical member and joined them by heat welding. Entire door frame profiles to be reinforced with steel primer coated 19 SWG 40mm X 20mm M.S. tube. An additional 5mm thick PVC sheet with desired colour/shade to be provided at the exposed surface and three nos 5mm thick PVC sheet to be provided as gap insert. The door frame to be fixed with wall by using 8mm dia. and 100mm long stainless steel screws and PVC fasteners. A minimum of 4 nos. screws to be provided for each vertical member & 2 nos. for horizontal member all complete as per direction of Engineer-in-Charge (a) Plain Colour.	41.00 M	516.00	M	21156.00

	AGE NO-135 ITEM NO-27	PVC Door Shutter-30 mm thick:Supplying fitting and fixing P.V.C. door shutter of approved quality & shade in position, the style & rail of the P.V.C. door shutter will be made of rigid P.V.C. multicavity hollow chamber of 59 mm x30 mm section with 2.0 mm (+/-0.2 mm) wall thickness.Horizontal & vertical section shall be fixed to each other by self tapping screws and 1 solid polymeric or M.S. galvanised tubular 'L' shaped bracket 100mm x 200mm in each corner of the shutter frame for placing hinges. Polymer based multicavity hollow section of 120 mm x30mm with 2.0 mm (+/- 0.2 mm) wall thickness will be fitted in the middle, reinforced by solid polymer bar of 200 mm long at both ends and screws from both sides as lock rail. The section frame will then be fitted in by PVC panels of size 100 mmx25 mm with wall thickness of 1.2 mm (+/- 0.2 mm) and 2 nos. of 6 mm dia bright rod will be inserted horizontally with both side check and nut system and stretches where fixing of hinges / hasp bolt / tower bolt / door ring are required to be strong enough to with stand wear and tear. The rate is inclusive of cost of all materials, labour, and hire of tools and plants and appliances/c carriage of all materials taxes and all other incidental charges complete.					
21	PAGE NO-79 ITEM NO-3(b)	Supplying, fitting and fixing Anglo-Indian W.C. in white glazed vitreous china ware of approved make complete in position with necessary bolts, nuts etc.(a) With 'P' trap (with vent)	15.12 sqm	2127.00	sqm	32160.24	
22	PAGE NO-41 ITEM NO-2	Wash basin vitreous china of approved make (without fittings) supplied,fitted and fixed in position on 75mm X 75 mm X 75 mm wood blocks and C.I. brackets including two coats of painting of C.I. brackets. (i) 450 mm X 300 mm size	4.00 Each	3104.00	Each	12416.00	
23	PAGE NO-36 ITEM NO-5(a)(i)	Supplying P.V.C. water storage tank of approved quality with closed top with lid (Black) - Multilayer (d) 2000 litre capacity	6.00 Each	1155.00	Each	6930.00	
24	PAGE NO-6 ITEM NO-7(b)(i)	(b) (i) Chromium plated Stop Cock (Equivalent to Code No. 513(A) & 513(B) & Model - Tropical / Sumthing Special of ESSCO or similar	1.00 Each	10434.00	Each	10434.00	
25	PAGE NO-6 ITEM NO-7(c)(i)	(c) (i) Chromium plated Bib Cock (angular shape with wall flange) (Equivalent to Code No. 5037 & Model - Florentine of Jaquar or similar brand).	10.00 Each	493.00	Each	4930.00	
26	PAGE NO-80 ITEM NO-6(ii)	Supplying, fitting and fixing Flat back urinal (half stall urinal) in white vitreous chinaware of approved make in position with brass screws on 75 mm X 75 mm X 75 mm wooden blocks complete. (ii) 470 mm X 280 mm X 340 mm	10.00 Each	861.00	Each	8610.00	
27	PAGE NO-80 ITEM NO-7	Supplying, fitting and fixing Squating plate with integral flushing in white vitreous chinaware of approved make in cement concrete (6:3:1) with jhama chips complete. (Payment of concrete will be paid seperately). (i) 450 mm X 350 mm	2.00 Each	945.00	Each	1890.00	
28	PAGE NO-29 ITEM NO-1	Supplying, fitting and fixing CPVC (Chlorinated Polyvinyl Chloride) pipes of approved make conforming to IS-15778: 2007 . with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple,longscrew, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials. (a) For Exposed Work (i) CPVC Pipes Class-1, SDR-11	2.00 each	881.00	each	1762.00	
29	PAGE NO-36 ITEM NO-2	Supplying, fitting and fixing 10 litre P.V.C. low-down cistern conforming to I.S. specification with P.V.C. fittings complete,C.I. brackets including two coats of painting to bracket etc.	15 mm	40.00 Mtr	106.00	Mtr	4240.00
			20 mm	25.00 Mtr	143.00	Mtr	3575.00
			4.00 each	1015.00	each	4060.00	

	AGE NO-60 ITEM NO-1(a)(i)	Supplying, fitting & fixing Cast iron soil pipe only conforming to I.S. 3989/2009 and I.S. 1729/2002 with bobbins, nails etc including making holes in the wall, floor etc. and cutting trenches etc in any floor through masonry concrete, if necessary, and mending good damages with necessary jointing materials and painting two coats to the exposed surface with approved paint complete. (Measurement will be made along the center line of the total pipe line in fitted condition including specials, payment for specials & Painting will however be paid seperately) (a) With valamoid joints including sealing with sand cement mortar (4:1) upto quarter depth. (i) 150 mm dia. (internal)	20.00 metre	1373.00	metre	27460.00
30	PAGE NO-88 ITEM NO-3(ii)(A)	Construction of septic tank of different capacities as per approved drawing with 1st class brick work in cement mortar (1:4) including two 560 mm dia. R.C.C. manhole cover (heavy type) of approved make supplied, fitted and fixed in the 100mm thick R.C.C (1:1.5:3) top slab with necessary fittings, 20mm thick cement plaster (4:1) with neat cement finish to the internal surfaces and 15 mm thick cement plaster (4:1) to outside wall upto 200 mm below G.L floor finished with 25 mm thick grey artificial stone over 100 mm thick R.C.C(1:1.5:3) bottom slab including supplying, fitting and fixing all necessary specials, fittings, S.W. tees, C.I. foot rest etc. including excavation earth in all sorts of soil, shoring, bailing out and pumping out water as necessary, ramming, dressing the bed and refilling the sides of the tanks with earth, removing spoils, filling up the chamber with clear water, removing foreign materials from the chamber and including constructing attached inspection pit as per approved drawing and connecting all necessary pipes, joints etc. with internal plaster work and artificial stone flooring is to be done with admixture of water proofing compound @ 0.5% by weight of cement with all costs of labour and materials. Note:- (i) Finished level of Septic Tank should be 400 mm. from Ground Level. (ii) Height of 50 mm. Ventilation pipe & Mosquito proof mesh, should be followed as per IS:2470, Part- I. Payment will be made seperately on the basis of actual height based on relevant I.S. Code. (ii) For 20 users A) With Pakur variety. (OTHER THAN SAIL/TATA/RINL)	1.00 Each	47337.00	Each	47337.00
31	PAGE NO-89 ITEM NO-4	Construction of circular soak well 2.5 metre deep in all types of sandy soils with dry brick work upto 1.6 metre from the bottom having 150 mm intermediate cement brick work (1:4) band all round and cement brick work (1:4) upto 0.90 metre from top with 20mm thick cement plastering (1:4) to inside face upto the depth of cement brick work, 15mm thick cement plaster (1:4) on outer face from top of the well upto G.L. and 6 mm thick cement plaster (1:4) on top of the R.C.C. cover slab including filling bottom 1.00 metre of inside of the well with brick metal (50 mm to 63 mm size) including R.C.C. cover slab of 100 mm thick with cement conc (1:1.5:3) with stone chips with necessary reinforcement and shuttering including one 560 mm dia. R.C.C. manhole cover (heavy type) of approved make supplied, fitted and fixed in the cover slab with necessary fittings, making necessary arrangements for pipe connections, excavation of well including shoring, dewatering and removing the excess earth from the premises as per direction complete in all respect with all costs of labour and materials. With 250 mm thick dry brick work and 250 mm thick cement brick work (1:6) and 1.00m inside dia. (OTHER THAN SAIL/TATA/RINL)	1.00 Each	16544.00	Each	16544.00

(Rupees Ten Lakhs Seventy One Thousand Eight Hundred Sixty Nine only)

<b>Total Rs.</b>	<b>920217.75</b>
<b>GST @12 %</b>	<b>110426.13</b>
<b>Cost Excluding Cess</b>	<b>1030643.88</b>
<b>CESS @ 1%</b>	<b>10306.44</b>
<b>GRAND TOTAL</b>	<b>1040950.32</b>

**KHARDAH MUNICIPALITY**  
**KHARDAH, 24-PARGANAS (NORTH)**

Annexure 16

**Name of Work :- Proposed Plain Cement Concrete Road at Ashim Das House to Nitai Mandir part-A & 26th Shib Mandir Goli Part-B in ward no -16 under Khardah Municipality**

Estimate prepared as per PWD (WB) schedule of rates for Building work materials and Labour for the year effective from 01.11.2017

Sl. No.	Item no.	Description of item	Quantity	Rate (₹)	Unit	Amount (₹)
1	Page-238 Item-3.16	Box cutting or filling in Road embankment in all sorts of soil including spreading the spoils properly over the flank as necessary or on berm to approximate grade & camber and rolling the sub-grade with power roller to proper camber and grade as per direction and satisfaction of Engineer-in-charge including uprooting and removing plants and jungles when and where necessary.  1 x 87.00 m x 2.50 m = 217.50 sqm 1 x 74.00 m x 2.00 m = 148.00 sqm <b>365.50 sqm</b>	365.50		sqm	5263.20
2	Page - 1 Item - 2(a)	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 items includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete.  2 X 87.00 m x 0.35 m x 0.125 m = 7.61 cum 2 X 74.00 m x 0.35 m x 0.125 m = 6.48 cum <b>14.09 cum</b>	14.09		cum	1680.22
3	Page - 1 Item - 3(a)	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.  1/5 Th of Earth Work in Excavation = <b>2.82 cum</b>	2.82		cum	218.47
4	Page - 2 Item - 4	A) 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)  1 x 87.00 m x 2.50 m x 0.100 m = 21.75 cu.m 1 x 74.00 m x 2.00 m x 0.100 m = 14.80 cu.m <b>36.55 cu.m</b>	36.55		cu.m	34218.48
6	Page - 15 / It - 8(a)	250 mm. thick brick work with 1st class bricks in cement mortar (1:6) in ground floor.  2 x 0.00 m x 0.25 m x 0.150 m = 0.00 cum, 2 x 0.00 m x 0.25 m x 0.150 m = 0.00 cum, <b>0.00 cum,</b>	0.00		cum,	0.00
7	Page-189 Item 1(ii)©	Plaster (to wall, floor, ceiling, etc) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface, including throating, nosing, and drip course where necessary (ground floor). With 4:1 cement mortar 15 mm thick plaster.  2 x 87.00 m x 0.10 m = 17.40 sqm 2 x 0.00 m x 0.10 m = 0.00 sqm <b>17.40 sqm</b>	17.40		sqm	2523.00
8	Page 192 Item-15	Net Cement Punning about 1.5mm thick in wall,dado,window,sills,floors drain etc.  = 17.40 sqm	17.40		sqm	591.60
9	Page 47 Item - 3	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.  1 x 87.00 m x 3.70 m = 321.90 sqm 1 x 0.00 m x 2.50 m = 0.00 sqm <b>321.90 sqm</b>	554.30		sqm	13303.20
10	Page 43 Item - 38	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)  2 x 87.00 m x 0.10 m = 17.40 sqm 2 x 0.00 m x 0.10 m = 0.00 sqm <b>17.40 sqm</b>	17.40		sqm	1635.60
11	Page 41 Item - 33	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. (Rate as per Annalysis Submitted)  1 x 87.00 m x 3.70 m x 0.10 m = 32.19 Cum 1 x 0.00 m x 2.50 m x 0.10 m = 0.00 Cum <b>32.19 Cum</b>	32.19		Cum	173971.18
<b>Total Amount</b>						<b>456569.80</b>
GST 12%						<b>54788.38</b>
Cost of civil works excluding labour welfare cess						<b>511358.18</b>
1% Cess						<b>5113.58</b>
<b>Total Rs</b>						<b>516471.76</b>

(Five Lakhs Sixteen Thousand Four Hundred Seventy One Only)

**KHARDAH MUNICIPALITY**  
**KHARDAH, 24-PARGANAS (NORTH)**

Annexure 17

**Name of Work :- Proposed Plain Cement Concrete Road at Shyam sundar Thakur Road in ward no -17 under Khardah Municipality**

Estimate prepared as per PWD (WB) schedule of rates for Building work materials and Labour for the year effective from 01.11.2017

Sl. No.	Item no.	Description of item	Quantity	Rate (₹)	Unit	Amount (₹)
1	Page - 1 Item - 2(a)	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.  2 X 141.00 m x 0.35 m x 0.125 m = 12.34 cum 12.34 cum	12.34		cum	11927.00
2	Page 34 Item 22(A)(a)	(I) Cement concrete with graded stone ballast (40 mm size excluding shuttering) In ground floor (A) [Pakur Variety] proportion (a) 1:3:6  2 x 141.00 m x 0.35 m x 0.075 m = 7.40 cum 7.40 cum	7.40		cum	5190.00
3	Page - 15 / It - 8(a)	Brick work with 1st class bricks in cement mortar (1:6) (a) In foundation and plinth  2 x 141.00 m x 0.25 m x 0.15 m = 10.58 cum 10.58 cum	10.58		cum	5306.00
4	Page - 1 Item - 3(a)	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.  1/5 Th of Earth Work in Excavation = 2.47 cum	2.47		cum	7754.00
6	Page - 2 Item - 4(a)	A) 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)  1 x 141.00 m x 0.00 m x 0.100 m = 0.00 cu.m 0.00 cu.m	43.71		cu.m	93621.00
7	Page- 189 Item 1(ii)©	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 (c) 15 mm thick plaster  2 x 141.00 m x 0.10 m = 28.20 sqm 28.20 sqm	28.20		sqm	145.00
8	Page 192 Item-15	Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc. NOTE: Cement 0.152 cu.m per 100 sq.m.  = 28.20 sqm	28.20		sqm	34.00
9	Page 47 Item - 3	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.  1 x 141.00 m x 4.30 m = 606.30 sqm = 606.30 sqm	535.80		sqm	24.00
10	Page 43 Item - 38	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)  2 x 141.00 m x 0.10 m = 28.20 sqm 28.20 sqm	28.20		sqm	94.00
11	Page 41 Item - 33	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (6mm nominal size) excluding shuttering and reinforcement, if any, in ground floor as per relevant IS codes Pakur variety (Rate as per Annalysis Submitted)  1 x 141.00 m x 3.60 m x 0.10 m = 50.76 Cum 50.76 Cum	50.76		Cum	5404.51
<b>Total Amount</b>						<b>432005.22</b>
<b>GST 12%</b>						<b>51840.63</b>
<b>Cost of civil works excluding labour welfare cess</b>						<b>483845.84</b>
<b>1% Cess</b>						<b>4838.46</b>
<b>Total Rs</b>						<b>488684.30</b>
<b>Say Rs</b>						<b>488684.00</b>

(Rupees Four lakhs Eighty Eight Thousand Six Hundred Eighty Four Only)



**KHARDAH MUNICIPALITY**  
**KHARDAH, 24-PARGANAS (NORTH)**

Annexure 18

Name of the work:- Proposed Construction of surface drain at Avinaba Sweet to Dutta Pond in ward no -19 under Khardah Municipality.

Estimate prepared as per PWD (WB) schedule of rates for Building work materials and Labour for the year effective from 01.11.2017

Sl. No.	Item no.	Description of item	Quantity	Rate (₹)	Unit	Amount (₹)	
1	Page-1 Item 2(a)	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 spils within a lead of 75 m. as directed. The items includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete.  1 x 310.00 m x 0.80 m x 0.475 m = 117.80 cu.m 117.80 cu.m	117.80 cu.m	11927.00	%Cum	14050.01	
2	Page-14 / It - 1	Single Brick Flat Soling of picked jhama bricks including ramming and dressing bed to proper level and filling joints with local sand.  1 x 310.00 m x 0.80 m = 248.00 Sq.m 248.00 Sq.m	248.00 Sq.m	358.00	Sq.m	88784.00	
3	Page 34 Item 22(A)(a)	(I) Cement concrete with graded stone ballast (40 mm size excluding shuttering) In ground floor (A) [Pakur Variety] proportion (a) 1:3:6  1 x 310.00 m x 0.80 m x 0.100 m = 24.80 cu.m 24.80 cu.m	24.80 cu.m	5190.00	cu.m	128712.00	
4	Page - 15 / It - 8(a)	Brick work with 1st class bricks in cement mortar (1:6)  1 x 310.00 m x 0.25 m x 0.30 m = 23.25 Cu.m 23.25 Cu.m	23.25 Cu.m	5306.00	Cu.m	123364.50	
5	Page - 16 / It - 16	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.  1 x 310.00 m x 0.30 m = 93.00 sqm 93.00 sqm	93.00 sqm	724.00	sqm	67332.00	
6	Page - 48 / It - 6(i)	Artificial stone in floor, dado, staircase etc with cement concrete (1:2:4) with stone chips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (1:2) including smooth finishing and rounding off corners including raking out joints or roughening of concrete surface and application of cement slurry before flooring works using cement @ 1.75 kg/sq.m all complete including all materials and labour. In ground floor. 3 mm. thick topping (High polishing grinding on this item is not permitted with ordinary cement). Using grey cement (i) 20 mm. thick  1 x 310.00 m x 0.295 m = 91.45 sq.m 91.45 sq.m	91.45 sq.m	237.00	sq.m	21673.65	
7	Page- 189 Item 1(ii)©	Plaster (to wall, floor, ceiling, etc) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface, including throating, nosing, and drip course where necessary (ground floor). With 4:1 cement mortar 15 mm thick plaster.  1 x 310.00 m x 0.975 m = 302.25 sq.m 302.25 sq.m	302.25 sq.m	145.00	sq.m	43826.25	
8	Page 192 Item-15	Net Cement Punning about 1.5mm thick in wall,dado,window,sills,floors drain etc.  Same as plastering = 302.25 sq.m	302.25 sq.m	34.00	sq.m	10276.50	
9	Page - 1 Item - 3(a)	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.  1/5 Th of Earth Work in Excavation = 23.56 cu.m	23.56 cu.m	7754.00	%Cum	1826.84	
						Total Amount	499845.75
						GST 12%	59981.49
						Cost of civil works excluding labour welfare cess	559827.24
						1% Cess	5598.27
						Total Rs	565425.51

**KHARDAH MUNICIPALITY**  
**KHARDAH, 24-PARGANAS (NORTH)**

Annexure19

**Name of Work : - Proposed Plain Cement Concrete Road at Bubai Das house to Railway Play Ground in ward no -20 under Khardah Municipality**

Estimate prepared as per PWD (WB) schedule of rates for Building work materials and Labour for the year effective from 01.11.2017

Sl. No.	Item no.	Description of item	Quantity	Rate (₹)	Unit	Amount (₹)
1	Page - 1 Item - 2(a)	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.  2 X 149.00 m x 0.35 m x 0.125 m = 13.04 cum 13.04 cum	13.04		cum	11927.00 1554.98
2	Page 34 Item 22(A)(a)	(i) Cement concrete with graded stone ballast (40 mm size excluding shuttering) In ground floor (A) [Pakur Variety] proportion (a) 1:3:6  2 x 149.00 m x 0.35 m x 0.075 m = 7.82 cum 7.82 cum	7.82		cum	5190.00 40598.78
3	Page - 15 / It - 8(a)	Brick work with 1st class bricks in cement mortar (1:6) (a) In foundation and plinth  2 x 149.00 m x 0.25 m x 0.15 m = 11.18 cum 11.18 cum	11.18		cum	5306.00 59294.55
4	Page - 1 Item - 3(a)	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.  1/5 Th of Earth Work in Excavation = 2.61 cum	2.61		cum	7754.00 202.19
5	Page - 2 Item - 4(a)	A) 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)  1 x 149.00 m x 0.00 m x 0.100 m = 0.00 cu.m 0.00 cu.m	0.00		cu.m	93621.00 0.00
7	Page- 189 Item 1(i)⊙	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  2 x 149.00 m x 0.10 m = 29.80 sqm 29.80 sqm	29.80		sqm	145.00 4321.00
8	Page 192 Item-15	Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc. NOTE: Cement 0.152 cu.m per 100 sq.m.  = 29.80 sqm	29.80		sqm	34.00 1013.20
9	Page 47 Item - 3	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.  1 x 149.00 m x 4.40 m = 581.00 sqm = 581.00 sqm	581.00		sqm	24.00 13944.00
10	Page 43 Item - 38	Hire and Labour Charges for shuttering with hard wood for precast R.C. Slab curved, or straight 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)  2 x 149.00 m x 0.10 m = 29.80 sqm 29.80 sqm	29.80		sqm	94.00 2801.20
11	Page 41 Item - 33	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (6mm nominal size) excluding shuttering and reinforcement, if any, in ground floor as per relevant IS codes. Pakur variety (Rate as per Analysis Submitted)  1 x 149.00 m x 3.70 m x 0.10 m = 55.13 Cum 55.13 Cum	55.13		Cum	5404.51 297950.64
<b>Total Amount</b>						<b>466321.42</b>
<b>GST 12%</b>						<b>55958.57</b>
<b>Cost of civil works excluding labour welfare cess</b>						<b>522279.99</b>
<b>1% Cess</b>						<b>5222.80</b>
<b>Total Rs</b>						<b>527502.79</b>
<b>Say Rs</b>						<b>527503.00</b>

(Rupees Five lakhs Twenty Seven Thousand Five Hundred Three Only)

KHARDAH MUNICIPALITY

KHARDAH 24 Pgs(N)

Annexure 20

Name of The Work

Construction of Cement Concrete Road from Laundry More to Branch Panchanantala ,in Ward No-21,Under Khardah Municipality

Reference of Schedule

PWD, WB ,Schedule of Rates Volume-I (Incorporation of GST Act, 2017 & all Addenda & Corrigenda of SOR, 01.12.2015),Effective From 01.11.2017

SL NO	ITEM & PAGE NO	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	AMOUNT (Rs)
1	Page - 1 Item 2(a)	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.  2 x 95.50 m x 0.35 m x 0.15 m = 10.028 cum	10.03 cum	11927.00	%Cum	1195.98
2	Page 34 Item 22(A)(a)	(I) Cement concrete with graded stone ballast (40 mm size excluding shuttering) In ground floor (A) [Pakur Variety] (a) 1:3:6 proportion  2 x 95.50 m x 0.35 m x 0.075 m = 5.01 cum	5.01 cum	5190.00	cum	26021.3625
3	PAGE NO-15 ITEM NO-8(a)	Brick work with 1st class bricks in cement mortar (1:6) (a) In foundation and plinth  2 x 95.50 m x 0.25 m x 0.225 m = 10.74 Cum 10.74 Cum	10.74 Cum	5306.00	Cum	57006.34
4	Page - 1 Item 3(a)	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.  (1/5 th of Earth work in excavation) = 2.0055 Cum	2.01 Cum	7754.00	%Cum	155.51
5	PAGE NO-189/ITEM NO-1(i)©	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  2 x 95.50 m x 0.15 m = 28.65 Sq.M 28.65 Sq.M	28.65 Sq.M	145.00	Sq.M	4154.25
6	PAGE NO-192/ITEM NO-15	Neat cement punning about 1.5mm thick in wall,dado>window sill,floor etc. NOTE:Cement 0.152 cu.m per100 sq.m. Area same as plastering = 28.65 Sq.M	28.65 Sq.M	34.00	Sq.M	974.10
7	PAGE NO-2/ITEM NO-4(a)	(A) 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)  1 x 95.50 m x 4.60 m x 0.15 m = 65.895 Cum 65.895 Cum	65.895 Cum	93621.00	% Cum	61691.56

8	PAGE NO- 47 ITEM NO- 33	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.  1 x 95.50 m x 5.30 m = 506.15 Sq. M = 506.15 Sq. M	506.15 Sq. M	24.00	Sq. M	12147.60
9	Page 43 Item 33	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)  2 x 95.50 m x 0.10 m = 19.10 Sq. M	19.10 Sq. M	94.00	Sq. M	1795.40
10	PAGE NO- 41 ITEM NO- 33	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. <b>(Rate as Per Analysis Submitted)</b>  1 x 95.50 m x 5.10 m x 0.10 m = 48.71 Cum 48.71 Cum	48.71 Cum	5404.51	Cum	263226.66
Total Rs.						428368.75
GST @12 %						51404.25
Cost Excluding Cess						479773.00
CESS @ 1%						4797.73
GRAND TOTAL						484570.73

# Khardah Municipality

B.T.Road,Khardah

Annexure 21

NAME OF THE WORK : Labour Charges for Sinking of 300 mm X 200 mm dia tubewell,165 meter deep with PVC pipe and slotted strainer at RamkrishnaPark Ward No.4 under Khardah Municipality

A. P.W.D. Schedule of Rates For Sanitary & Plumbing Works Materials & Labour w.e.f. 01.11.2017

Sl.No.	Page & Item No.	Description	Qty	Unit	Rate(Rs.)	Amount
1.	51,2C(i,ii,iii & iv)	Labour for boring through any type of soil for sinking tubewell of required dia with top enlargement by rig boring system (either by reverse circulation or by direct rotary method) including hire charges and labour for rig machine tools and plants,staging,force pumping set and making arrangement for water required for boring etc. complete. For depth upto 250 meters for 150mm dia tubewell with top enlargement 300 mm dia (upto 50 meter) (i)First 50 meters (ii) Next 50 meters (iii) Next 50 meters (iii) Rest 100 meters	50	Meter	1078.00	53,900.00
			50	Meter	1066.00	53,300.00
			50	Meter	1271.00	63,550.00
2.	56,29	Geophysical investigation of the aquifer by electrologging system with all tools and plants as necessary including supply of necessary report	1	L.S	8247.00	8,247.00
3.	55,24	Packing the annular space between the outside of the tubewell pipes & strainers and the bore with pea size washed gravel of approved quality having size from 2mm to 5mm or the size approved by the Engineer in Charge including cost of all materials labour and equipment complete.	3	Cu.Mtr.	2029.00	6087.00
4.	56,25	Packing the annular space between the outside of the housing pipe and the bore with puddle clay balls of approved size as per direction of the Engineer in Charge including cost of all materials labour complete.	10	Cu.Mtr.	417.00	4,170.00
5.	55,20	Washing and developing tubewell with air compressure pump and engine for 8 (eight) hours continuous pumping per day with necessary arrangements for testing the yield in gallons per hour with 'V' notch including hire and labour charges for all tools and plants,scaffolding as required complete in all respect.	4	days	7538.00	30152.00
6.	55,22	Labour for making arrangement for showing vertically test including the cost of hire charges of tools plants,scaffolding,labour etc. all complete.	1	L.S	916.00	916.00
7.	55,23	Collecting sample of water for bacteriological and chemical test from any time during executive of work including				

		hire and labour charges for tools and plants and sterilizing the equipments,paying all charges and fees,testing etc. complete in all respect as per direction.	1	L.S.	1231.00	1,231.00
8.	52,7	Supplying ,fibre glass reinforced Epoxy resin slotted of 1 mm slot width in 601 m length of approved make and as per direction of the engineer in Charge (b)150mm nominal dia (i) 6.0 mm wall thickness	30.50	Mtr.	2449.00	74694.50
9.	13,19(iii)	Supply PVC rigid pipes & fittings (medium duty) conforming to ASTM D – 1785 & threaded to match with G.I. pipes as per IS:1239(Part -1) a) 300mm inside dia b) 150mm inside dia	36 80	Mtr. Mtr.	4,071.00 1420.00	1,46,556.00 1,13,600.00
10.	111,17(B)(ii)	Supply of E.R.W.M.S.Black pipe of approved make (heavy quality) as per standard specification having wall thickness not less than 8 mm. (ii) 300mm dia(internal)	0.3	Mtr.	3644.00	1,093.20
11.	18 (K)	Supply of PVC pipes & fittings Schedule 80 medium duty conforming to ASTM D-1785 and threaded to match G.I.pipes as per IS:1239(Part-1) (k0 end plug 150 mm dia	1	each	907.00	907.00
12.	54,18(iv)	Supplying fitting and fixing G.I.pipe cap at top(iv) 300mm dia	1	each	723.00	723.00
13.	56,27	Supplying fitting and fixing 300mm MS Housing clamp of approved quality	1	set	2235.00	2,235.00
14.	56,28	Providing 200mm centre guide	10	set	128.00	1,280.00
Sub Total						Rs.562641.70
Add GST @12%						Rs.67,517.00
Total						Rs.630158.70
Labour welfare cess @1%						Rs.6301.59
						636460.00

KHARDAH MUNICIPALITY

KHARDAH, 24-PARGANAS (NORTH)

Annexure 22

**Name of Work :- Proposed Plain Cement Concrete Road at Young Unit Club to Kali Bedhi Part-A in ward no -18 under Khardah Municipality**

Estimate prepared as per PWD (WB) schedule of rates for Building work materials and Labour for the year effective from 01.11.2017

Sl. No.	Item no.	Description of item	Quantity	Rate (₹)	Unit	Amount (₹)
1	Page - 1 Item - 2(a)	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.  2 X 145.00 m x 0.35 m x 0.125 m = 12.69 cum 12.69 cum	12.69		cum	1513.24
2	Page 34 Item 22(A)(a)	(I) Cement concrete with graded stone ballast (40 mm size excluding shuttering) in ground floor (A) [Pakur Variety] proportion (a) 1:3:6  2 x 145.00 m x 0.35 m x 0.075 m = 7.61 cum 7.61 cum	7.61	5190.00	cum	39508.88
3	Page - 15 / It - 8(a)	Brick work with 1st class bricks in cement mortar (1:6) (a) In foundation and plinth  2 x 145.00 m x 0.25 m x 0.15 m = 10.88 cum 10.88 cum	10.88	5306.00	cum	57702.75
4	Page - 1 Item - 3(a)	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.  1/5 Th of Earth Work in Excavation = 2.54 cum	2.54	7754.00	%Cum	196.76
5	Page - 2 Item - 4(a)	A) 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)  1 x 145.00 m x 0.00 m x 0.100 m = 0.00 cu.m 0.00 cu.m	46.40	93621.00	%cu.m	43440.14
7	Page- 189 Item 1(i)⊙	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  2 x 145.00 m x 0.10 m = 29.00 sqm 29.00 sqm	29.00	145.00	sqm	4205.00
8	Page 192 Item-15	Neat cement punning about 1.5mm thick in wall, dado, window sill, floor etc. NOTE: Cement 0.152 cu.m per 100 sq.m.  = 29.00 sqm	29.00	34.00	sqm	986.00
9	Page 47 Item - 3	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.  1 x 145.00 m x 4.40 m = 638.00 sqm = 638.00 sqm	565.50	24.00	sqm	13572.00
10	Page 43 Item - 38	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)  2 x 145.00 m x 0.10 m = 29.00 sqm 29.00 sqm	29.00	94.00	sqm	2726.00
11	Page 41 Item - 33	Ordinary Cement concrete (mix 1:2:4) with graded stone chips (6mm nominal size) excluding shuttering and reinforcement, if any, in ground floor as per relevant IS codes Pakur variety (Rate as per Annalysis Submitted)  1 x 145.00 m x 3.70 m x 0.10 m = 53.65 Cum 53.65 Cum	53.65	5404.51	cum	289951.96
<b>Total Amount</b>						<b>453802.73</b>
<b>GST 12%</b>						<b>54456.33</b>
<b>Cost of civil works excluding labour welfare cess</b>						<b>508259.05</b>
<b>1% Cess</b>						<b>5082.59</b>
<b>Total Rs</b>						<b>513341.64</b>

(Rupees Five Lakhs Thirteen Thousand Three Hundred Forty One Only)