



Government of West Bengal
Irrigation & Waterways Directorate
Office of the Sub-Divisional Officer
Kangsabati Canals Sub-Division No IV
Sarenga, Bankura.

Memo No : 285

Date : 11.05.2021.

NOTICE INVITING TENDER

(For works of estimated cost up to Rs 5.00 lakh)

NOTICE INVITING TENDER NO: - WBIW/SDO/KCSD-IV/NIT 01 OF 2021-2022.

1. Invitation.

Separate sealed Tenders in printed forms are hereby invited by **the Sub-Divisional Officer, Kangsabati Canals Sub-Division No IV, Sarenga, Bankura** on behalf of the Governor of the State of West Bengal in West Bengal Form No.2911 for the works as per list attached herewith, from the eligible bonafide, reliable resourceful Contractors having sufficient experiences in execution of similar type of works.

2.Details of Work :-AS PER LIST ATTACHED IN PAGE 9 OF THIS NIT.

3.Time Schedule of Tender procedure:-

| | | | | |
|------|--|------------|------------------------|---|
| i) | Last Date & Time and Place for application(Application must be supported with self signed NIT, 2911 form, BOQ download from departmental website – www.wbiwd.gov.in along with all relevant papers and credentials i.e PAN, GSTIN Registration, Trade license, work credentials etc. | 18.05.2021 | Up to 15:00 hrs | i)S.D.O/ K.C.Sub-Divn.No. IV, Sarenga. |
| ii) | Last Date & Time and Place for issue of authenticated Tender papers. | 19.05.2021 | Up to 12:00 hrs. | i)S.D.O/ K.C.Sub-Divn.No. IV, Sarenga.. |
| iii) | Last Date & Time and Place for dropping Tender paper. | 21.05.2021 | Up to 12:00hrs. | i)S.D.O/ K.C.Sub-Divn.No. IV, Sarenga.. |
| iv) | Date & Time and place of opening of Tenders. | 21.05.2021 | After 12:30hrs. | i)S.D.O/ K.C.Sub-Divn.No. IV, Sarenga. |

4.Tender documents: - The Tender documents shall consist of the followings and other relevant particulars may be seen by the intending Tenders or by their duly authorized representatives during office hours between 11.00 AM and 4 PM on every working day, till the last date of issue of the Tender Forms in the office of the undersigned: -a) Notice Inviting Tender. (download from departmental website – www.wbiwd.gov.in)
b) W.B.F. No. 2911 (download from departmental website – www.wbiwd.gov.in)
c) Price schedule i.e BOQ (download from departmental website – www.wbiwd.gov.in)
d) Plans and Drawings where necessary (these will not be required to be submitted with the tenders but this will form part of the tender documents at the time of executing the agreement after acceptance)

*** Kindly note that details will be available in the of the office of the undersigned on any working day in between 11-00 AM and 4-00 PM.**

Sd/-
Sub-Divisional Officer
Kangsabati Canals Sub-Division No IV
Sarenga, Bankura.

**ELIGIBILITY CRITERIA OF THE TENDERER PARTICIPATING IN THE TENDERS
INCLUDING SOME TERMS AND CONDITIONS**

5. Eligibility for participation

Bonafide outside Contractors, Registered Engineers Cooperative Societies, Consortiums and Partnership Firms registered with the State Government and contractors of equivalent Grade / Class registered with Central Government / MES / Railways for execution of civil works are eligible to participate. **Joint venture firms are not eligible to participate.**

(In case of consortiums, maximum number of constituents shall be restricted to 5 (Five) and each constituent must have at least some credential towards contracting business. Individual constituent of a consortium cannot be another consortium.)

6.. Participation in more than one work

Any contractor can submit tenders for a maximum of 50% of the total number of works (rounded up to next higher integer) published in any particular NIT, depending on his credential and financial capability, details of which are given later

7. Application for purchase of Tender forms: - a) Intending Tender's have to be submitted application duly enclosed with the self attested copies of the following documents addressed to **the Sub-Divisional Officer, Kangsabati Canals Sub-Division No IV, Sarenga, Bankura.**

b) Copies of documents;

GSTIN Registration Certificate, P.T. (Professional Tax) Clearance Certificate and PAN, Trade License valid at least up to the date of opening of Tenders should be considered.

c) Credentials

- i) Completion certificate/Payment certificate(s) for one single similar work as per categorization of works appended in list of works to an extent of **at least 50%** of the value of the work for which tender is desired, executed within last 5 (five) financial years (to be determined from the actual year of completion, considering current financial year as year 1
- ii) List of Tools & Plants, Machinery, and Equipments etc. in possession.
- iii) List of Technical & Non-Technical staff.
- iv) List of works in progress with their respective value.
- v) Eligibility certificate/N.O.C. issued by the A.R.C.S.(for Engineer's Co-operative only)
- vi) A Statement showing number and value of works presently under execution by the Tenderer under the Irrigation & Waterways Department and other Govt. Department/Organizations ..
- vii) Declaration by the applicant to the effect that there is no other applications for Tender Paper for work in the N.I.T. in which he/she/they has/have common interests and in that case intending Tenderer has to disclose his/her name(s) and style of another firm/individuals (where he is also officiating) in the application for issuing Tender forms failing which the decision of the committee regarding the matter will be final and binding upon all.
- viii) Declaration by the contractor to the effect that he/they has/have no near relative is posted in any offices under the circle which intends to submit tender. In case of near relative posted in any offices under the circle, he/they will not be permitted to Tender for works in the circle of the Superintending Engineer.
- x) Completion Certificate of work executed in other Departments of State Government or organizations, like Public Works & Public Works(Roads) Department, Public Health Engineering Department, Sundarban Affairs Department and various other State Govt. Departments,

Zilla Parishads, West Bengal Housing Infrastructure Development Corporation Limited (WBHIDCO),

West Bengal State Electricity Distribution Company Limited (WBSEDCL), Kolkata Metropolitan Development Authority (KMDA), Kolkata Metropolitan Water Sanitation Authority (KMW&SA), Kolkata Municipal Corporation (KMC), Hooghly River Bridge Commissioner (HRBC) Engineering Departments of Central Government and Organization, like Farakka Barrage Project (FBP) Authority, Railways, Kolkata Port Trust (KPT), and companies owned or managed by the State Government, i.e Mackintosh Burn Ltd., Westinghouse Saxby Farmer Limited & Britannia Engineering Ltd. May also be considered. Such Completion Certificates are to be issued by an officer not below the rank of Executive Engineer/Divisional Engineer/District Engineer/Project Manager of other state/Central Govt. Departments/Organizations; authorised signatories of CC for Panchayat Samities and Municipalities shall be BDO & Ex-officio Executive Officer and Secretary or equivalent administrative officers respectively. Such certificates are further to be countersigned by immediate superior authority of the issuing Authority for all cases other than direct/State/Central Govt. Department and Railways.

8. Scope of disqualification for issuing Tender Forms: -

Due to any one of the followings, the Tender Paper may not be issued to the applicant (Contractors)

i) Delay submission of application (after expiry of the schedule Time)

ii) Insufficient and improper documents submitted with the applications.

iii) Non-submission of completion, payment certificate properly.

iv) Old completion certificate and payment certificate.

v) Without signature of the applicant and serially numbered of the submitted documents.

vi) Non-submission of copies of Partnership Deed and Firm Registration Certificate from the Registrar of Firms, West Bengal.

vii) Valid N.O.C. issued by A.R.C.S. of the concern District (In case of un-employed Engineers Co-operative Societies Ltd.)

viii) Bank Solvency Certificate valid during a year up to 30% of the value of the work

ix) Submission of loose application with the documents excepting booklet or constrict Stitching.

9. Fulfillment of Criteria and issue of Tender Paper:-All the above as stated under Para 7(a),(b),& (c) and Para (8) (i) to (ix) are to be fulfilled properly, pending fulfilment of which Tender Forms may not be issued.

10. Order for issue of Tender forms: - The application of the intending tender along with the all documents so received by the office of the undersigned will be verified by the office of the undersigned and after the decision of the undersigned for issuance will be final & bindings.

11. Not satisfied with the decision of the committee for issuing Tender Paper: -Intending

Tenders not satisfied with the decision of the Tender paper issuing authority may prefer an appeal to the next superior officer. Concerned Superintending Engineer will be the Appellate authority for the disputed tenders. Necessary communication regarding his appeal to the Appellate Authority must be brought to the Notice of such Authority within Two working days after the date of issue of Tender Paper and copy of such communication should also be submitted to the tender paper issuing Authority within the same period, failing which no such appeal will be entertained.

12. Purchase of Tender forms:- All the Tender documents downloaded by the applicants himself and submitted the same with the application. The said Tender documents. will be issued to the Tenderer from the office of the **Sub-Divisional Officer, Kangsabati Canals Sub- Division No IV, Sarenga, Bankura.**

free of cost, where he/they have got permission. The intending Tenders are requested to present themselves personally or send their authorized representative to that office to receive the tender form within the time schedule.

13. Inspection to Site by the intending Tenderer before submitting Tender:-Before submitting any Tender, the intending Tenderers should make himself/themselves acquainted thoroughly with the local conditions prevailing, by actual inspection of the site and take in to considerations all factors and difficulties likely to be involved in the execution of work in all aspects including transportation of materials, communication facilities, climate conditions, nature of soil, availability of local laborers and market rate prevailing in the locality etc. as no claim whatsoever will be entertained on these accounts afterward. In this connection the intending Tenderers may contact the office of the undersigned up to last date of issue of Tender Forms between 11.30 hours and 16.30 hours on any working day.

14. Earnest Money: - Earnest Money & Security Deposit : - In partial modification of Notification No. 03-W dated 18th January 2011 of the Secretary to the Govt. of West Bengal, Irrigation & Waterways Directorate communicated by the Deputy Secretary to the Govt. of West

Bengal, Irrigation & Waterways Directorate vide Memo. No. 89(6)-IB/IW/O/1B-Misc-12/2007 dated 18th January 2011; sub rule 229(iii) vide memo no:- 08/1(6)-IB dt. 30.04.2013 the following provisions have been made in different para's and that should be abided by the tender.

a) DEPOSIT OF EARNEST MONEY:- An Earnest Money amounting to 2% of the estimated cost put to tender so long as the estimated cost put to Tender.

ii) DEPOSIT OF EARNEST MONEY & SECURITY DEPOSIT IN CASE OF UNEMPLOYED ENGINEERS CO-OPERATIVE SOCIETIES AND LABOUR CO-OPERATIVE SOCIETIES:-

Both the above Co-operative Societies will have to be deposited the earnest money and Security Deposit as per the Notification No. 03-W dated 18th January 2011 of the Secretary to the Govt. of West Bengal, Irrigation & Waterways Directorate communicated by the Deputy Secretary to the Govt. of West Bengal, Irrigation & Waterways Directorate.

c) DEDUCTION OF SECURITY MONEY FROM THE PROGRESSIVE BILL:- Earnest money already deposited during the Tender shall be converted as a part of security money and additional security shall be deducted from the progressive bills at 8% or such amount from each such bill, so that the total deduction together with the 2% E.M.D constitutes 10% of the tendered value of work as actually done.

~~d) NO FURTHER DEDUCTION SECURITY MONEY FROM THE PROGRESSIVE BILL:- In partial modification of sub rule 231(b) enumerated in this Departmental Notification No-03-W Dt. 18 Jan 2011, such Tenders may also be permitted to deposit further security so as to make total 10% of the Tendered amount to avail the facility of no further deduction from the progressive bills, subject to the condition laid down in 231(c) contained in the above said notification~~

~~e) SECURITY DEPOSIT FOR EXCESS WORK:- In Para (9), in case of excess works over the tendered amount, additional security is to be deposited for the amount of such excess beyond the tendered amount as per prescribed rate, before payment of final bill in case contractors opting for paying advance security and receiving payment against progressive bills without any deduction.~~

f) SHAPE OF EARNEST MONEY:- In Para (11), **Demand Draft, Banker's Cheque, and Treasury Challan, Deposit at Call Receipt (D.C.R.)** of Scheduled Banks guaranteed by the Reserve Bank of India and payable at Midnapore may be accepted as earnest money and/ or security Deposit.

In terms of Memo. No. 108-IB/IW/O/IB-Misc-38/201(Part) dated 16.11.2011 of Deputy Secretary to the Govt. of West Bengal, I&W.D, the original copies of the Demand Draft/Banker's Cheque/Deposit at Call Receipts (DCR), towards Earnest Money Deposit (EMD) in favour of

Executive Engineer, Kangsabati Canals Division No I, Amlagora, Paschim Medinipur issued from any of the following Schedule Banks Payable at Midnapore should be dropped with the tender. EMD issued from any bank other than the schedule banks will liable to rejection of the Tender.

The list of Scheduled Banks in India (Public Sector & Private Sector) constitute those banks which have been included in the Second Schedule of Reserve Bank of India (RBI) Act, 1934. RBI in turn includes only those banks in this schedule which satisfy the criteria laid down vide section 42 (6) (a) of the Act are appended below.

• **Scheduled Banks in India (Public Sector):**

1) State Bank of India 2) State Bank of Bikaner and Jaipur 3) State Bank of Hyderabad 4) State Bank of Indore 5) State Bank of Mysore 6) State Bank of Saurashtra 7) State Bank of Travancore 8) Andhra Bank 9) Allahabad Bank 10) Bank of Baroda 11) Bank of India 12) Bank of Maharashtra 13) Canara Bank 14) Central Bank of India 15) Corporation Bank 16) Dena Bank 17) Indian Overseas Bank 18) Indian Bank 19) Oriental Bank of Commerce 20) Punjab National Bank 21) Punjab and Sind Bank 22) Syndicate Bank 23) Union Bank of India 24) United Bank of India 25) UCO Bank 26) Vijay Bank.

•**Scheduled Banks in India (Private Sector):**

1)ING Vysya Bank Ltd 2)Axis Bank Ltd 3) Indusind Bank Ltd 4)ICICI Bank Ltd 5)South Indian Bank 6)HDFC Bank Ltd 7)Centurion Bank Ltd 8) Bank of Punjab Ltd 9)IDBI Bank Ltd.

g)ADJUSTMENT OF EARNEST MONEY:-No earnest money previously deposited for other works will be considered. Tender without or improper earnest money will forthwith be treated as 'INFORMAL'

h)EXEMPTION OF EARNEST MONEY AND LIMITATION OF SECURITY DEPOSIT:- Provision contained in clause no 7.4.2(iv) will not be applicable for Mackintosh Burn Ltd. ,Westing house Saxby Farmers Ltd., & Britannia Engineering Ltd. which they previously enjoyed as per G.O. No.10500-F dated 19.11.2004 and subsequently extended vide G.O. No. 1110-F dated 10th February, 2006 .They can participate in all the serials in a particular N.I.T, subject to fulfilment of other credential criteria specified in 7.4.2(i) to 7.4.2(iii) vide memo no:-46(5)-IB dt. 11th June- 2012,of Deputy Secretary to the Govt. of west Bengal.

15. Dropping of Tenders:- All Tender documents should be submitted in sealed envelope mentioning the NIT No. , Name & Sl. No. of works,name & address of the Tenderer on the body of the said sealed envelope, will be dropped in the offices given below- on the schedule Date & Time and place as stated in Para (3) above and or the changing schedule made vide issuing necessary CORRIGENDUM.

i) Office of the Sub-Divisional Officer, Kangsabati Canals Sub- Division No IV, Sarenga, Bankura.

16. Opening of Tenders: -i) All the intending Tenderers or their authorised representative may present during opening of Tender.

ii) In terms of Para 221(1), once the tenders are opened, no tenderer should be allowed to offer fresh quotations unless each of the tenderer is given equal opportunity. In case where the later steps taken, if time permits, fresh tenders may be invited so as to leave no room for any compliant or grievance whatsoever and,

iii) In terms of Para 221(2), when the rates quoted in response to invitation of competitive tenders are considered high and fresh invitation of tenders cannot be taken recourse to either for want of time or because of no likelihood of getting more favourable rates and negotiations with contractors are considered necessary for obtaining rates lower than those received in response to the invitation of competitive tenders, negotiations should be made with all the contractors who quoted rates in response to the invitation of tenders, and not with the lowest tenderer alone.

17.Acceptance of Tender :- in terms of NOTIFICATION No. 01/IW dated 19/07/2012 of Secretary to the Govt. of West Bengal, acceptance of the tender will rest with the Competent Authority who does not bind himself to accept the lowest tender and reserves the right to reject in any or all the tenders received and to distribute work between two or more than two Tenderers without assigning any reason thereof.

OTHER TERMS & CONDITIONS.

18. In Terms of vide memo no:-46(5)-IB dt. 11th june-2012,of Deputy Secretary to the Govt. of west Bengal, Mackintosh Burn Ltd., Britannia Engineering Ltd. And Warehouse Saxby Farmer Ltd. Will not enjoy 10% preference in rate for the purpose of selection.

19. Any suppression/misrepresentation of fact will automatically debar the applicant for participating in any Tender under the Division/Circle for at least 3(Three) years from the date of detection, in addition to such other penal action as the Government may deem proper.

20. Intending Tenderers should be equipped with plants, machinery equipment and well point pumping machinery complete with all accessories as required for the work as the department may not be in a position to issue such plants & machinery. They must submit a list of such plants; machinery and equipments in their possession for necessary documentary evidence are to be produced.

21. If required, the intending Tenderers have to be produced Bank solvency certificate of an amount equal to 30% of the estimated amount of the work.
22. Documents submitted along with the application should invariably be in the name of the applicant firm/ Individuals. In terms of Memo. No. 185/JS(W)/IA-11C-9(75)/09 dated 09.06.09 of the Secretary to the Govt. of West Bengal , I&W.D, Joint venture of Firms constituted and duly registered with the appropriate authority will be considered for issuance of Tender Papers.
23. All pages of the documents submitted with the application shall be signed with signature by the applicant and also be serially numbered as 1/10,2/10,3/10.....10/10
24. Copies of Partnership Deed and Firm Registration duly self-attested shall invariably be submitted with the application by a partnership firm.
25. Tenderers should quote their rates both figures and words in terms of overall percentage, "below" or "above" or "at par" with the price schedule both in the 2nd page of W.B.F 2911 (ii) and the last page of price schedule.
26. Any tender containing over writing is liable to be rejected.
27. All corrections are to be attested under the dated signature of the Tenderer.
28. When a Tenderer signs his Tender in an Indian Language, the Total amount tendered should also be written in the same language. In case of illiterate Tenderer, the rates tendered should be attested by an witness.
29. The Tenderer who will sign on behalf of a Company or Firm, must produce the registered documents within 3(Three) days from the date of opening the tender, if not submitted with the tender application or with the Tender documents) in support of his competency to enter in to an Agreement on behalf of the Company or the Firm under the Indian Companies or Partnership Act, failing which the tender will not be considered and the deposited Earnest Money will be forfeited.
30. The rate quoted by in the tender form will be final and no subsequent modification in the rates will be entertained even it is done with any letter or other instrument submitted before sealing/closing the Tender box.
31. Any superfluous conditional tender, which does not full fill any of the above conditions, and is incomplete in any respect, is liable to be rejected.
32. VAT, Sales Tax, Royalty, and all other statutory Levy/Cess etc. will have to borne by the Contractor. The engaged Contractors need to get registered under BOCW (RECS) Act and shall have to contribute towards a fund namely **"The West Bengal Building & other Construction worker's Welfare Fund"** @1.00%(one point zero zero percent) of the total amount of the work value which will be deducted directly from the bill value and remitted as per requirement of the said Act as per Finance Department Notification No. 853-F dated 01.02.06..
33. Canvassing in connection with the tenders is strictly prohibited and the tenders submitted by a tenderer who take resort to canvassing will be liable to rejection.
34. Incomplete and illegible tender will be invalidated. All corrections in the tender should be signed with dated initial by the contractors before submission of tender and each page of the tender should also be signed and dated by the contractor.
35. The contractor has to obtain the Labour license from the office of the Joint Labour Commissioner of the concerned District in which the location/site of the work falls, under the provision of W.B. Contract Labour (Regulation & Abolition) rules, 1972 and a copy of the license has to be submitted to this office for information & record, failing which the undersigned will in no case be hold responsible for any action taken by the Labour Department. The undersigned being the **'Principal Employer'** for the work, will however issue a certificate in specified pro forma of Labour Department in form V for doing the needful by the authority of labour Department.
36. As per rule, the intending Tenderer has to disclosed his/their name (s) & style of another firm /individuals (where he is also officiating) in the application for issuing tender forms failing which the decision of the undersigned regarding the matter will be final & binding upon all.

37. The Tenderer should submit a statement at the time of submission of his tender showing the Technical Staff to be engaged for the work, with their Technical qualifications, failing which the tender may be liable to rejection.

38. The Tenderer will have to, if so desired by the Tender Accepting Authority, submit his analysis to justify the rate quoted by him/them.

39. The Tenders will be opened, as specified in the list of works, in presence of the Participating Tenderers or their duly authorized representatives, who may be present at the time of opening and who may also put their signatures in the Tender opening Register.

40. The successful Tenderer will have to execute the duplicate/triplicate/quadruplicate (Plain Paper) copies of his /their tender which will have to be obtained by additional cash payment in the office of the **Executive Engineer (I&W Dte.), Kangsabati Canals Division No I, Amlagora, Paschim Medinipur.**, within 7 (seven) days from the date of receipt of the intimation of acceptance of his tender failing which the Earnest Money shall forthwith stand forfeited in favour of the Government and the communication of acceptance of the tender shall automatically stand cancelled.

41. If any Tenderer withdraws his tender before its acceptance or refuses/fails to convert it in to a contract within a reasonable time, without giving any satisfactory explanation for such withdrawal/refusal/failure, he shall be disqualified for submitting any tender in this Division/Circle for a period of 1 (one) year and his/their case will be referred to the Government for order as to what further action will be taken against him/them.

42. Materials such as cement, M.S. Rod, R.C.C. Hume Pipes, M.S. sheet Piles, etc. if available in stock, will be issued by the Department to the Contractor for the work as per issue rate fixed by the Engineer-in-charge. Place of issue materials as mentioned in Page 11 of W.B.F. - 2911(ii) or in a separate sheet attached with the Tender documents to be supplied departmentally to the Contractor is furnished with the Tender documents for the work. Any other materials not listed therein, if supplied by the department, the issue rate for such materials will be fixed by the Engineer-in-charge.

43. Hire charges for Tools & Plants Machinery, if issued departmentally, will be recovered from the contractor at such rate as will be fixed by the Engineer-in-charge. The period of hire charges of all Tools & plants Machinery issued from the Government go-down will be counted from the date of their issuance from the go-down and up to the date of return in to the same go- down and the hire charges will be recovered from the contractor accordingly. All Tools & plants Machinery issued to the contractor must be returned in good condition. In the case of any damages, the cost of repair to such damage or replacement will be recovered from the contractor.

44. In the following case a tender may be declared '**INFORMAL**' and unacceptable.

a) Correction, alterations, additions, etc. if not attested by the tenderer.

b) (i) Earnest money in form of N.S.C./Government Security etc. not held by the Tenderer and not properly pledged.
(ii) Earnest Money in the form of D.C.R/Demand Draft, etc. which are short deposited with interest bearing and/or not deposited in favour of the **Executive Engineer, Kangsabati Canals Division No I, Amlagora, Paschim Medinipur** in proper shape.

c) If, the all pages of the Tender documents are not signed by the Tenderer.

d) (i) If, the Tender is not submitted in a cover properly sealed.

(ii) If, the name of the work with N.I.T. No. & Serial No. of the work and the name of the addressee with the name of the Senders (Tenderers) are not exactly written on the envelope.

45. a) In terms of the provision in Para 230 Page of I&W.D. Code Volume- 1 and at the same time provided in Para 150(3) of W.B. Works Departmental Manual, the Earnest Money of all the Tenderers other than the three lowest Tenderer should be refunded after the comparative statement has been prepared and checked and,

(b) In terms of the provision laid down in Para 5 of the 1st page of W.B.F. 2911. In case of rejected Tender it should be refunded within 10 (ten) days from the date of decision.

46. To verify the competency, capacity and financial stability of the intending Tenderers the Tender paper issuing authority may demand production of any necessary documents as it may deem necessary.

47. As per G.O. No. 1627(8)/1A dated 26th November 2001 of Irrigation & Waterways Department, Government of West Bengal, Clause 25 of Tender Form No. 2911(ii) stand deleted in respect of contract of value less than 100.00 lakh.

48. Normally Tender Paper for not more than one work in any one N.I.T. will be issued to an applicant, who may indicate the Serial No's. of the work in the order of priority. However, depending on response to various serials in the N.I.T., Tender Paper issuing Authority may issue Tender Paper for any serial even though it may not be preferred by the applicant.

49. Applicants permitted to purchase Tender form will have to be participated in the tender failing which he/.they may be suspended to participate in the next Tender.

50. Tender may be cancelled in any stage without assigning any reason.

51. Any discrepancies if found, in the documents/statement the tender shall be cancelled in the subsequent stage with imposition of lawful action for this act of submission of documents.

52. Apart from all the above conditions and criteria the 'Past and Present' performance of the agencies will be considered while issuing tender papers.

53. Gross value of the bill shall be strictly restricted up to the Tender amount as per order no. 378(7)-IB dtd.6.02.2017

54. The payment of R/A as well as Final Bill for the work will be made according to the availability of fund and claim due to delay in payment will not be entertained.

55. Subletting of work is strictly prohibited & will be viewed seriously & disqualify the agency to participate in the next Tender.

56. Canvassing in connection with Tender is strictly prohibited and the Tenders submitted by a Tenderer who will resort to canvassing will be liable to rejection.

57. All specifications, Terms and conditions etc. of the printed schedule of rates of Mahananda Barrage Circle, Teesta Barrage Circle, Teesta Canal Circle, P.W.D., P.W.D. (Roads), Member (P.I. &D), & Member (Execution) N.B.F.C.C. will be applicable, unless otherwise specified.

58. Apart from all the above, only in the interest of the Government, the committee may allow purchasing Tender Forms to such agency/agencies who/they will fulfilled the other criteria and his/their Past or Present performance is/are satisfactory but his/their credentials in regards to completion and Payment certificates stand less than the requirement.

59. All applicants willing to participate in the Tender must have to be appeared before a Tender document scrutiny committee for verification of original of the submitted documents. In case, the applicant or his authorized person not appeared before the tender documents scrutiny committee with the original documents in the schedule date and time as stated under para-3 (ii), the application will be disqualified for issuing tender form.

60. Tender forms will not be issued after due date and no tender forms will be sent by post/E-Mail/Fax etc.

61. Additional Performance Security: The additional performance security shall be obtained from the successful L1 bidder, if the accepted bid value is below 20% of the estimated amount put to the tender.

The additional performance security shall be equal to 10% of the tendered amount i.e. the L1 bid price.

The additional performance security shall have to be submitted by the selected bidder after issuance of letter of acceptance/letter of invitation (LoA/LoI) and before award of contractor (AoC) in the form of "Bank Guarantee" of any Scheduled Bank, payable at Kolkata or / in West Bengal in proper format. If the bidder fails to submit the additional performance security within seven working days from the date of issuance of LoA/LoI, its earnest money deposit (EMD) will be summarily forfeited.

If the bidder fails to complete the work successfully, this additional performance security shall be forfeited at any time during the pendency of the contract period after serving suitable notice to the contractor/bidder agency.

Sd/-
Sub-Divisional Officer
Kangsabati Canals Sub-Division No IV
Sarenga, Bankura.

LIST OF WORKS

NIT NO: - WBIW/SDO/KCSD-IV/NIT 01 OF 2021-22 Vide Memo No-285 date- 11/05/2021.

| | | | | |
|-------------|--|-------------------|------------------|---|
| i) | Last Date & Time and Place for application(Application must be supported with self signed NIT, 2911 form, BOQ download from departmental website – www.wbiwd.gov.in along with all relevant papers and credentials i.e PAN, GSTIN Registration, Trade license, work credentials etc. | 18-05-2021 | Up to 15:00 hrs | i)S.D.O/ K.C.Sub-Divn.No. IV, Sarenga, Bankura. |
| ii) | Last Date & Time and Place for issue of authenticated Tender papers. | 19-05-2021 | Up to 12:00 hrs. | i)S.D.O/ K.C.Sub-Divn.No. IV, Sarenga, Bankura. |
| iii) | Last Date & Time and Place for dropping Tender paper. | 21-05-2021 | Up to 12:00hrs. | i)S.D.O/ K.C.Sub-Divn.No. IV, Sarenga, Bankura. |
| iv) | Date & Time and place of opening of Tenders. | 21-05-2021 | After 12:30hrs. | i)S.D.O/ K.C.Sub-Divn.No. IV, Sarenga, Bankura. |

| Sl.No. | Name of Work | Estimated cost (value of work put to tender) (Rs) | Earnest money (Rs) (2% of the estimated cost put to tender) | Cost of Tender Documents (Rs.) | Time of completion of the work | Source of fund | Eligibility of Contractors |
|--------|---|--|---|--------------------------------|--------------------------------|----------------|--|
| 1 | M/R & silt clearance of Dy. No. - 18 of MBC in between ch 0.00 & ch 118.00, at Mouza- junglekhas & one others, Block- Binpur-I, Dist- Jhargram Under Ramgarh Section of K.C. Sub-Divn. No.-IV under K.C. Divn. No. – I, Amlagora during 2021-22. | 2,50,901.00 | 5018.00 | Nil | 20 days | PM | Bona fide agency having Credential of execution of similar nature of work of value 50% of the amount put to tender within the last 5 years |
| 2 | M/R & silt clearance of Dy. No. - 18 of MBC in between ch 128.00 & ch 193.00, at Mouza- Kantapahari & two others, Block- Binpur-I, Dist- Jhargram Under Ramgarh Section of K.C. Sub-Divn. No.-IV under K.C. Divn. No. – I, Amlagora during 2021-22. | 1,09,593.00 | 2192.00 | Nil | 20 days | | |
| 3 | Breach Closing and ghoge repairing and silt learance of Dy No. 1 of KMC(L) in between ch 1.00 & 2.00 and Ch 36.00 & Ch 65.00 at Mouza- Chhoto Amlatora & one other, Block – Sarenga, Dist- Bankura under Piraragari section of K.C Sub-Divn No-IV, under K.C Divn No. I, Amlagora during 2021-22. | 50,303.00 | 1006.00 | Nil | 20 days | | |
| 4 | Soil Investigation for proposed CC lining in different reaches of Dy 2, Mr 158.3 of KMC(L) & Minor A of Dy 2 of KMC(L) under Pirargari section of K.C Sub Divn. No IV under K.C Divn. No. I, Amlagora during 2021-22. | 1,18,982.00 | 2380.00 | Nil | 20 days | | |

| Sl.No. | Name of Work | Estimated cost (value of work put to tender) (Rs) | Earnest money (Rs) (2% of the estimated cost put to tender) | Cost of Tender Documents (Rs.) | Time of completion of the work | Source of fund | Eligibility of Contractors |
|--------|---|---|---|--------------------------------|--------------------------------|----------------|--|
| 5 | Repair & Rehabilitation of bridge at ch.-103.50 of Dy 2 of KMC(L), Mouza - Sukhadali, Block - Sarenga, Dist - Bankura under Pirargari Section of K.C. Sub-Division No.- IV under K.C. Division No.- I, Amlagora during 2021-22. | 1,70,284.00 | 3406.00 | Nil | 30 days | | Bona fide agency having Credential of execution of similar nature of work of value 50% of the amount put to tender within the last 5 years |
| 6 | Repair & Rehabilitation of bridge at ch 270.00 of Dy 3 of KMC(L), Mouza- Dubrajpur, Block - Simlapal, Dist - Bankura under Dubrajpur Section of K.C. Sub-Division No.- IV under K.C. Division No.- I, Amlagora during 2021-22. | 2,90,955.00 | 5819.00 | Nil | 30 days | PM | |
| 7 | Repair & Rehabilitation of bridge at ch 87.50 of Dy 3 of KMC(L), Mouza- Habra, Block - Sarenga Dist - Bankura under Dubrajpur Section of K.C. Sub-Division No.- IV under K.C. Division No.- I, Amlagora, during 2021-22. | 1,32,113.00 | 2642.00 | Nil | 30 days | | |
| 8 | Soil Investigation for Proposed Bridge at ch. 38.00 of Dy. No.- 3 of KMC(L) at Mouza- Habra, Block- Sarenga, Dist.- Bankura under Dubrajpur Section of K.C. Sub-Division No-IV under K.C Division No-I, Amlagora during 2021-22. | 1,45,090.00 | 2902.00 | Nil | 30 days | | |
| 9 | Soil Investigation for Proposed Bridge at ch. 30.00 of Dy. No.- 1 of KMC(L) at Mouza – Pirargari, Block- Sarenga, Dist.- Bankura under Pirargari Section of K.C. Sub-Division No-IV under K.C Division No-I, Amlagora during 2021-22. | 95,846.00 | 1917.00 | Nil | 30 days | | |
| 10 | Soil Investigation for Proposed Bridge at ch. 404.49 of MBC under Ramgarh Section at Mouza- Janglekhas, Block- Binpur-I, Dist- Jhargram under Ramgarhsection of K.C. Sub-Division No-IV under K.C Division No-I, Amlagora during 2021-22. | 2,02,739.00 | 4055.00 | Nil | 30 days | | |

Sd/-
Sub-Divisional Officer
Kangsabati Canals Sub-Division No IV
Sarenga, Bankura.

FORM-6*

SPECIMEN FORMAT FOR THE BANK GUARANTEE FOR ADDITIONAL PERFORMANCE SECURITY DEPOSIT

(*To be submitted only if the bid price quoted by the bidder is below 20% of the estimated cost put to tender, non submission within 7 working days from date of issuance of LOA which may be maximum extended to 14 working days after issuance of LOA/LOI will lead to rejection of selected bidder. Similar standard format issued by RBI approved Bank pledging Bank Guarantee of the required value and period in favour of Engineer-in-Charge is acceptable)

To,
----- (Designation of Engineer-in-Charge)
----- (Office address of Engineer-in-Charge)

WHEREAS (name and address of Contractor) (hereafter called "the Contractor") has undertaken, in pursuance of Contract No: _____ dated _____ to execute _____ (name of Contract and brief description of Works) (hereinafter called "the Contractor").

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a Scheduled commercial bank for the sum specified therein for '**ADDITIONAL PERFORMANCE SECURITY DEPOSIT**' for compliance with his obligation in accordance with the Contract:

AND WHEREAS we _____ (Indicate the name of the bank and branch) have agreed to give the Contractor such a Bank Guarantee:

NOW THEREFORE we _____ ; _____ (Indicate the name of bank and branch) hereby affirm that we are the Guarantor and responsible to you on behalf of the Contractor, upto a total of _____ Rs. _____ (amount of guarantee) _____ (in words). We undertake to pay you, upon your first written demand and without cavil or argument, a sum within the limits of _____ (amount of guarantee) as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We _____ (Indicate the name of the bank and branch) hereby waive the necessity of your demanding the said debt from the contractor before presenting us with the demand.

We _____ (Indicate the name of the bank and branch) further agree to pay to you any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present absolute and unequivocal.

The payment/so made by us under this bond shall be a valid discharge of our liability for payment there under and the contractor(s) shall have no claim against us for making such payment.

We _____ (Indicate the name of the bank and branch) further agree that no change or addition to or other modification of the terms of the Contract or of the works to be performed there under or of any of the contract documents which may be made between you and the contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

We _____ (Indicate the name of the bank and branch) lastly undertake not to revoke this guarantee except with the previous consent of you in writing.

This guarantee shall be valid upto ----- . It come into force with immediate effect and shall remain in force and valid for a period upto the time of completion of the work under the stated contract plus

claim period of six months for the Bank Guarantee. Notwithstanding, anything mentioned above, our liability against this guarantee is restricted to Rs (Rs.) and unless a claim in writing is lodged with us within the validity period, i.e upto.....of this guarantee all our liabilities under this guarantee shall cease to exist.

Signed and sealed this day of 20 at

SIGNED, SEALED AND DELIVERED

For and on behalf of the BANK by:

(Signature)

(Designation)

(Code Number)

(Address)

NOTES:

- i. The bank guarantee should contain the name, designation and code number of the officer(s) signing the guarantee

The address, telephone number and other details of the Head Office of the Bank as well as of issuing Branch (within West Bengal/AT PAR ANYWHERE IN INDIA only to be accepted) should be mentioned on the covering letter of issuing Branch.

Copy submitted/forwarded for information and wide circulation to:-

1. The Chief Engineer (south-West), Khasjungle, Abas, Midnapur.
2. The District Magistrate, Bankura.
3. The Savadhipati, Bankura Zilla Parishad.
4. The Superintending Engineer, Kangsabati Circle-I/II
5. The Superintending Engineer, Western Circle-II, Midnapur.
6. The Executive Engineer, Kangsabati Canals Division No.- I/II/III/IV/V/BI Division.
7. The Director of Information & Cultural affairs Dte, Government of West Bengal, Nabanna, Howrah.
8. The District Information Officer, Midnapur, Paschim Medinipur for information.
9. Sabhapati, Sarenga Panchyat Samity
10. Assistant Labour Commissioner, Bankura.
11. The Sub-Divisional Officer, Bankura.
12. The Sub-Divisional Officer, Kangsabati Canals Sub-Division No-I/II/VI.
13. The Divisional Accounts Officer (Gr. I), K.C.Division No-I
14. Estimating Branch of K.C.Division No-I .
15. Notice Board of K.C.Sub-Division No-IV .

Sd/-
Sub-Divisional Officer
Kangsabati Canals Sub-Division No IV
Sarenga, Bankura.

NIT No. WBIW/SDO/KCSD-IV/NIT 01 Sl no. - 1 of 2021-22

Schedule

M/R & silt clearance of Dy. No. - 18 of MBC in between ch 0.00 & ch 118.00, at Mouza-junglekhas & one others, Block- Binpur-I, Dist- Jhargram Under Ramgarh Section of K.C. Sub-Divn. No.-IV under K.C. Divn. No. – I, Amlagora during 2021-22.

| Sl. No. | Description of items | Quantity | Unit | Rate | Amount |
|---------|--|----------|----------------|-------|-------------------|
| 1 | Cutting and clearing jungles including shrubs, waterweeds, bushes, trees, plants, upto 30cm. Girth including removing as directed by Engineer-in-charge. | 8631.94 | m ² | 2.02 | 17437.00 |
| 2 | Earthwork from borrow pits over existing embankment or for repairs to embankment, closing breaches etc. within an initial lead of 30 metre and lift of 1.50 metre including breaking clods and depositing the same in layers not exceeding 25 cm. and rough dressing etc. complete as per profile. | 2853.73 | m ³ | 81.81 | 233464.00 |
| | | | | Total | 250,901.00 |

sd/-

Sub-Divisional officer

Kangsabati Canals Sub-Division No.-IV

Sarenga, Bankura

I/We do hereby agree to execute the above work @% above / Low / At per than the sechedule of rates attached herewith.

Signature of the Contractor

NIT No. WBIW/SDO/KCSD-IV/NIT 01 SI no. - 2 of 2021-22

Schedule

M/R & silt clearance of Dy. No. - 18 of MBC in between ch 128.00 & ch 193.00, at Mouza- Kantapahari & two others, Block- Binpur-I, Dist- Jhargram Under Ramgarh Section of K.C. Sub-Divn. No.-IV under K.C. Divn. No. – I, Amlagora during 2021-22.

| Sl. No. | Description of items | Quantity | Unit | Rate | Amount |
|---------|--|----------|----------------|-------|-------------------|
| 1 | Cutting and clearing jungles including shrubs, waterweeds, bushes, trees, plants, upto 30cm. Girth including removing as directed by Engineer-in-charge. | 4754.88 | m ² | 2.02 | 9605.00 |
| 2 | Earthwork from borrow pits over existing embankment or for repairs to embankment, closing breaches etc. within an initial lead of 30 metre and lift of 1.50 metre including breaking clods and depositing the same in layers not exceeding 25 cm. and rough dressing etc. complete as per profile. | 1222.20 | m ³ | 81.81 | 99988.00 |
| | | | | Total | 109,593.00 |

sd/-

Sub-Divisional officer
Kangsabati Canals Sub-Division No.-IV
Sarenga, Bankura

I/We do hereby agree to execute the above work @% above / Low / At per than the schedule of rates attached herewith.

Signature of the Contractor

Schedule

Breach Closing and ghoge repairing and silt learance of Dy No. 1 of KMC(L) in between ch 1.00 & 2.00 and Ch 36.00 & Ch 65.00 at Mouza- Chhoto Amlatora & one other, Block – Sarenga, Dist- Bankura under Piraragari section of K.C Sub-Divn No-IV, under K.C Divn No. I, Amlagora during 2021-22

| Sl. No. | Description of items | Quantity | Unit | Rate | Amount |
|---------|--|----------|----------------|--------|------------------|
| 1 | Cutting and clearing jungles including shrubs, waterweeds, bushes, trees, plants, upto 30cm. Girth including removing as directed by Engineer-in-charge. | 1645.92 | m ² | 2.02 | 3325.00 |
| 2 | Earthwork from borrow pits over existing embankment or for repairs to embankment, closing breaches etc. within an initial lead of 30 metre and lift of 1.50 metre including breaking clods and depositing the same in layers not exceeding 25 cm. and rough dressing etc. complete as per profile. | 543.64 | m ³ | 81.81 | 44475.00 |
| 3 | Extra rate over Item Nos. 2 for all kinds of soil for every additional lead of 30 metres or part thereof beyond the initial lead of 30 metres. | 39.00 | m ³ | 12.12 | 473.00 |
| 4 | Extra rate for puddling earth in layer of 15 cm. including watering and ramming, if necessary, all complete as per the direction of the Engineer - in - charge. | 39.00 | m ³ | 10.10 | 394.00 |
| 5 | Earthwork in closing ghoges in embankments including cutting, filling, puddling with water and ramming including all leads and lifts, if necessary. | 15.00 | m ³ | 109.08 | 1636.00 |
| Total | | | | | 50,303.00 |

sd/-

Sub-Divisional officer
Kangsabati Canals Sub-Division No.-IV
Sarenga, Bankura

I/We do hereby agree to execute the above work @% above / Low / At per than the schedule of rates attached herewith.

Signature of the Contractor

Schedule**Soil Investigation for proposed CC lining in different reaches of Dy 2, Mr 158.3 of KMC(L) & Minor A of Dy 2 of KMC(L) under Pirargari section of K.C Sub Divn. No IV under K.C Divn. No. I, Amlagora during 2021-22.**

| Sl. No. | Description of items | Quantity | Unit | Rate | Amount |
|---------|--|----------|------|----------|-------------------|
| 1 | Mobilisation Charges of all tools & Plants along with accessories, material, labour, supervision etc. at site of work required in connection with boring and testing work, including setting up boring rigs and shifting to different Bore-hole points etc. and also including withdrawal of same from the site after completion of work, complete as per direction of Engineer-in-Charge. | | | | |
| | b) Detailed Investigation | 1 | L.S | 29795.00 | 29795.00 |
| 2 | Labour for making Bore-Holes of 150mm to 250mm dia. by any standard method to any depth below ground level / bed level in all kinds of soil like clay, , silt, sand, stiff clay, mixed soils etc. except rocks (for the purpose of collecting Disturbed & Un disturbed soil samples, conducting Standard Penetration Test at suitable intervals etc.) including preparation and submission of bore-log as per IRC : 75 and 78 and Clause 2400 of Specifications for Road & Bridge Works (5th Revision), Published by IRC, and also including hire charges of tools and plants complete as per the direction of Engineer-in-Charge. | | | | |
| | b) When drilling mud "Bentonite of suitable consistency" is used to prevent collapse of bore hole. | 46.60 | M | 345.62 | 16106.00 |
| | (i) Depth 0m to 10m | | | | |
| 3 | B Field Investigation: | | | | |
| | v) Collection of Undisturbed soil sample from the bore hole to be made by the concerned Division / Party at their cost. | | | | |
| | (i)0.0m - 10.0m | 36 | Each | 274.11 | 9868.00 |
| 4 | Carriage of all Disturbed & Undisturbed Samples from site of work to the Divisional office or elsewhere including loading and unloading as per direction of Engineer-in-Charge. Detailed Investigation. | 2 | L.S | 1906.88 | 3814.00 |
| 5 | A. Laboratory Investigation: | | | | |
| | xvii) Laboratory Determination of Permeability as per IS 2720 (Part- XVII). | 18 | Each | 822.34 | 14802.00 |
| 6 | A. Laboratory Investigation: | | | | |
| | xxviii) Determination of Swelling Pressure of Soil as per IS 2720 (Part- VIII). | 18 | Each | 822.34 | 14802.00 |
| 7 | Preparation and submission of report in 6 (Six) copies, giving all relevant information data like site plan, Bore log and water table, test results, calculations, discussions, suggestions and recommendations in respect of suitable foundation etc. including determination of silt factor calculation of waterways and complete design of foundation including analysis of Bearing Capacities and settlements in bound and presentable form complete as per | | | | |
| | b) Detailed Investigation | 2 | L.S | 14897.50 | 29795.00 |
| Total | | | | | 118,982.00 |

sd/-

Sub-Divisional officer
Kangsabati Canals Sub-Division No.-IV
Sarenga, Bankura

I/We do hereby agree to execute the above work @% above / Low / At per than the schedule of rates attached herewith.

Signature of the Contractor

Schedule**Repair & Rehabilitation of bridge at ch.-103.50 of Dy 2 of KMC(L), Mouza - Sukhadali, Block - Sarenga, Dist - Bankura under Pirargari Section of K.C. Sub-Division No.- IV under K.C. Division No.- I, Amlagora during 2021-22**

| Sl. No. | Description of items | Quantity | Unit | Rate | Amount |
|---------|--|----------|----------------|--------|---------|
| 1 | Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 m as per Technical Specifications Clause 202 for Rural Roads of MORD. (I) By Manual Means b) Cement Concrete | 2.48 | m ³ | 451.35 | 1119.00 |
| 2 | Dismantling all types of masonry excepting cement concrete plain or reinforced, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m. | 3.08 | m ³ | 505.65 | 1557.00 |
| 3 | Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, removing, spreading or stacking of spoils within a lead of 150 m. as directed and including trimming the sides of the trenches, leveling, dressing and ramming the bottom, and backfilling with approved material complete as per direction of the Engineer-in-Charge . I. In all sorts of soil excluding marshy soil & rocks (soft or hard) by manual means. a) upto 3 m depth. Without pumping out water and shoring. | 7.12 | m ³ | 128.96 | 918.00 |
| 4 | Earthwork in filling in foundation trenches with good earth in layers not exceeding 15cm. including watering and ramming layer by layer complete with earth obtained from excavation of foundation or from fresh excavation of land arranged by Department within a lead of 150 m. | 7.12 | m ³ | 104.07 | 741.00 |
| 5 | Cutting uprooting and clearing jungles including shrubs, water weeds, bushes, trees, plants, upto 30 cm. girth including removing as directed by Engineer-in-charge | 243.84 | m ² | 5.66 | 1380.00 |
| 6 | Scraping Plaster in Lime or Cement Mortar from Brick / Stone Masonry as per Technical Specification Clause 202 for Rural Roads of MORD | 15.28 | m ² | 14.71 | 225.00 |
| 7 | Sand filling in foundation trenches and at the back of abutments, wing-walls etc. with good local sand free from earth in layers not exceeding 15 cm. including inundating each layer by profuse water and poking and ramming layer by layer complete including supply of sand. Quality of sand is to be approved by the Engineer-in-charge. (The compaction factor may be taken as 0.835) | 1.01 | m ³ | 781.88 | 790.00 |
| 8 | 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. | 20.19 | m ² | 27.15 | 548.00 |
| 9 | Hire and labour charges for Shuttering with or without staging upto 4.0 m height using approved stout props with ply wood/steel sheet plate with required bracing for any kind of plain or reinforced concrete works in all sorts of minor structure including culvert, box culvert, crossdrain etc. The rate is inclusive of fitting, fixing and striking out after completion of work as per specification and direction. (b) Where staging is not required | 40.96 | m ² | 242.08 | 9916.00 |

| Sl. No. | Description of items | Quantity | Unit | Rate | Amount |
|---------|---|----------|----------------|----------|----------|
| 10 | Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor). [Excluding cost of chipping over concrete surface]. (ii) with 1:4 cement mortar (a) 20 mm | 47.22 | m ² | 190.14 | 8978.00 |
| 11 | Providing anti-corrosive protective coating to inhibit the corrosion to HYSD reinforcements including two coats of anti-corrosive coatings of consumption as per manufacturer's specification, cleaning etc. complete as per the direction of the Engineer-in- Charge. | 5.80 | m ² | 572.39 | 3320.00 |
| 12 | Cleaning the exposed corroded Reinforcement as well as worn out concrete by sand blasting with air compressor including all materials, hire charges of machineries and labour etc. all complete as per technical specification and direction of the Engineer-in-Charge. | 5.80 | m ² | 683.24 | 3963.00 |
| 13 | Cement concrete (1:1.5:3) with graded stone chips 5.6 mm size with hexagonal square mesh wire netting, I.R.C. fabric mesh or X.P. M. fitted and fixed after tying the existing reinforcement on concrete without distributing the same and with proper scarping and cleaning the reinforcement and disturbed concrete with wire brush etc. after applying a coat of cement including the cost of wire netting I.R.C or X. P. M. & cost of all handling and scaffolding complete as per direction of Engineer-in -charge (b) 25mm thick | 5.80 | m ² | 566.91 | 3288.00 |
| 14 | Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes. (a) Pakur variety | 9.25 | m ³ | 6496.75 | 60095.00 |
| 15 | Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V:20H towards drawing face. Complete as per drawing and Technical specifications. | 4.00 | No | 130.09 | 520.00 |
| 16 | Applying Exterior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive decorative textured (matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC. In Ground Floor: (b) two Coat | 47.22 | m ² | 5101.71 | 2409.00 |
| 17 | Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification and as per direction of EIC 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 | 47.22 | m ² | 75.79 | 3579.00 |
| 18 | Painting block letters or digits in Black Japan or any approved paint as per direction. c) Size above 4 cm. and upto 5 cm | 50.00 | No | 11.31 | 566.00 |
| 19 | Supplying, fitting and placing HYSD bar reinforcement in Sub-structure including initial straightening, straightening of coils bars, removal of loose rust (if any), cutting to requisite length bending, binding with annealed wire not less than 1 mm in size and conforming to IS 280 at every intersection hooked and bent to correct shape and placed on forms etc. including cost of black annealed wire and cost of loading, unloading, carriage of all steel materials complete as per drawing and technical specifications and direction of Engineer-in-charge. Tor Steel rods I HYSDbars I TMTbars (SAIL/ TATA/ RINL) | 0.210 | MT | 55674.61 | 11692.00 |

| Sl. No. | Description of items | Quantity | Unit | Rate | Amount |
|---------|--|----------|----------------|----------|-------------------|
| 20 | Supplying, fitting and placing HYSD bar reinforcement in Bridge Super-structure including initial straightening, straightening of coils bars, removal of loose rust (if any), cutting to requisite length bending, binding with annealed wire not less than 1 mm in size and conforming to IS 280 at every intersection hooked and bent to correct shape and placed on forms etc. including cost of black annealed wire and cost of loading, unloading, carriage of all steel materials complete as per drawing and technical specifications. Tor Steel rods I HYSDbars I TMTbars (SAIL/ TATA/ RINL) | 0.183 | MT | 56713.06 | 10378.00 |
| 21 | Earth work from borrow pits over existing embankment or for repairs to embankment, closing breaches etc. within an initial lead of 30 metre and lift of 1.50 metre including breaking clods and depositing the same in layers not exceeding 25cm. and rough dressing etc. complete as per profile. | 167.60 | m ³ | 91.63 | 15357.00 |
| 22 | Providing and inserting nipples with approved fixing compound after drilling holes for grouting as per Technical specifications including subsequent cutting/removal and sealing of the hole as necessary of nipples after completion of grouting with Cement/Epoxy. | 30.00 | Nos | 115.38 | 3461.0 |
| 23 | Guniting concrete surface with cement mortar (25 mm nominal thick) applied with compressor after cleaning surface and spraying with epoxy complete as per Technical specification | 15.28 | SqM | 1031.65 | 15764.0 |
| 24 | Sealing of cracks / porous concrete by injection process through nipples/Grouting complete as per Technical specification. A Cement Grout | 120.00 | Kg | 66.74 | 8009.0 |
| 25 | Removal of defective concrete, cleaning the surface thoroughly, applying the shotcrete mixture mechanically with compressed air under pressure, comprising of cement, sand, coarse aggregates, water and quick setting compound in the proportion as per clause 2807.1., sand and coarse aggregates conforming to IS: 383 and table 1 of IS: 9012 respectively, water cement ratio ranging from 0.35 to 0.50, density of gunite not less than 2000 kg/cum, strength not less than 25 MPa and workmanship conforming to clause 2807.6. (40 mm average thickness.) | 5.795 | SqM | 295.24 | 1711.0 |
| | | | | Total | 170,284.00 |

sd/-

Sub-Divisional officer
Kangsabati Canals Sub-Division No.-IV
Sarenga, Bankura

I/We do hereby agree to execute the above work @% above / Low / At per than the schedule of rates attached herewith.

Signature of the Contractor

Schedule

Repair & Rehabilitation of bridge at ch 270.00 of Dy 3 of KMC(L), Mouza- Dubrajpur, Block - Simlapal, Dist - Bankura under Dubrajpur Section of K.C. Sub-Division No.- IV under K.C. Division No.- I, Amlagora during 2021-22.

| Sl. No | Description of itmes | Quantity | Unit | Rate | Amount (Rs.) |
|--------|--|-----------------------|------|--------|--------------|
| 1 | Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 m as per Technical Specifications Clause 202 for Rural Roads of MORD. | 8.66 m ³ | Cum | 451.35 | 3909.00 |
| 2 | Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, removing, spreading or stacking of spoils within a lead of 150 m. as directed and including trimming the sides of the trenches, leveling, dressing and ramming the bottom, and backfilling with approved material complete as per direction of the Engineer-in-Charge . | | | | |
| | I. In all sorts of soil excluding marshy soil & rocks (soft or hard) by manual means. | | | | |
| | a) upto 3 m depth. | | | | |
| | Without pumping out water and shoring. | 20.56 m ³ | Cum | 128.96 | 2651.00 |
| 3 | Earthwork in filling in foundation trenches with good earth in layers not exceeding 15cm. including watering and ramming layer by layer complete with earth obtained from excavation of foundation or from fresh excavation of land arranged by Department within a lead of 150 m. | 4.21 m ³ | Cum | 104.07 | 438.00 |
| 4 | Scraping Plaster in Lime or Cement Mortar from Brick /Stone Masonry as per Technical Specification Clause 202 for Rural Roads of MORD | 82.93 m ² | Sqm | 14.71 | 1220.00 |
| 5 | Sand filling in foundation trenches and at the back of abutments, wing-walls etc. with good local sand free from earth in layers not exceeding 15 cm. including inundating each layer by profuse water and poking and ramming layer by layer complete including supply of sand. Quality of sand is to be approved by the Engineer-in-charge. (The compaction factor may be taken as 0.835) | 5.71 m ³ | Cum | 781.88 | 4465.00 |
| 6 | 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. | 116.08 m ² | Sqm | 27.15 | 3152.00 |

| | | | | | |
|----|---|-----------------------|------|--------|----------|
| 7 | Hire and labour charges for Shuttering with or without staging upto 4.0 m height using approved stout props with ply wood/steel sheet plate with required bracing for any kind of plain or reinforced concrete works in all sorts of minor structure including culvert, box culvert, crossdrain etc. The rate is inclusive of fitting, fixing and striking out after completion of work as per specification and direction. (b) Where staging is not required | 59.87 m ² | Sqm | 242.08 | 14493.00 |
| 8 | Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor). [Excluding cost of chipping over concrete surface]. (ii) with 1:4 cement mortar (a) 20 mm | 165.87 m ² | Sqm | 190.14 | 31539.00 |
| 9 | Providing anti-corrosive protective coating to inhibit the corrosion to HYSD reinforcements including two coats of anti-corrosive coatings of consumption as per manufacturer's specification, cleaning etc. complete as per the direction of the Engineer-in- Charge. | 17.85 m ² | Sqm | 572.39 | 10217.00 |
| 10 | Cleaning the exposed corroded Reinforcement as well as worn out concrete by sand blasting with air compressor including all materials, hire charges of machineries and labour etc. all complete as per technical specification and direction of the Engineer-in-Charge. | 17.85 m ² | Sqm | 683.24 | 12196.00 |
| 11 | Cement concrete (1:1.5:3) with graded stone chips 5.6 mm size with hexagonal square mesh wire netting, I.R.C. fabric mesh or X.P. M. fitted and fixed after tying the existing reinforcement on concrete without distributing the same and with proper scarping and cleaning the reinforcement and disturbed concrete with wire brush etc. after applying a coat of cement including the cost of wire netting I.R.C or X. P. M. & cost of all handling and scaffolding complete as per direction of Engineer-in -charge (b) 25mm thick | 17.85 m ² | Sqm | 566.91 | 10119.00 |
| 12 | Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes. (a) Pakur variety | 11.855 m ³ | Cum | 6463 | 76619.00 |
| 13 | Providing weep holes in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V:20H towards drawing face. Complete as per drawing and Technical specifications. | 8.00 No | each | 130.09 | 1041.00 |

| | | | | | |
|----|---|-----------------------|------|----------|----------|
| 14 | Applying Exterior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive decorative textured(matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface throughly, complete as per manufacturer's specification and as per direction of the EIC. In Ground Floor: (b) two Coat | 165.87 m ² | %Sqm | 5101.71 | 8462.00 |
| 15 | Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification and as per direction of EIC 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 | 165.87 m ² | Sqm | 75.79 | 12571.00 |
| 16 | Painting block letters or digits in Black Japan or any approved paint as per direction. c) Size above 4 cm. and upto 5 cm | 50.00 No | Each | 11.31 | 566.00 |
| 17 | Supplying, fitting and placing HYSD bar reinforcement in Sub-structure including initial straightening, straightening of coils bars, removal of loose rust (if any), cutting to requisite length bending, binding with annealed wire not less than 1 mm in size and conforming to IS 280 at every intersection hooked and bent to correct shape and placed on forms etc. including cost of black annealed wire and cost of loading, unloading, carriage of all steel materials complete as per drawing and technical specifications and direction of Engineer-in-charge. Tor Steel rods I HYSDbars I TMTbars (SAIL/ TATA/ RINL) | 0.658 MT | MT | 55652.23 | 36619.00 |
| 18 | Supplying, fitting and placing HYSD bar reinforcement in Bridge Super-structure including initial straightening, straightening of coils bars, removal of loose rust (if any), cutting to requisite length bending, binding with annealed wire not less than 1 mm in size and conforming to IS 280 at every intersection hooked and bent to correct shape and placed on forms etc. including cost of black annealed wire and cost of loading, unloading, carriage of all steel materials complete as per drawing and technical specifications. Tor Steel rods I HYSDbars I TMTbars (SAIL/ TATA/ RINL) | 0.264 MT | MT | 56690.67 | 14966.00 |
| 19 | Drainage Spouts in Superstructure including providing drip mouldings and also including supplying, fitting and fixing approved type of materials complete as per drawing and Technical specification vide clause no. 2705 of MoRT&H's Specification for Road & Bridge Works. | 6.00 No. | each | 885.73 | 5314.00 |

| | | | | | |
|----|--|-----------|-----|---------|-----------|
| 20 | Providing and inserting nipples with approved fixing compound after drilling holes for grouting as per Technical specifications including subsequent cutting/removal and sealing of the hole as necessary of nipples after completion of grouting with Cement/Epoxy. | 50.00 Nos | Nos | 115.38 | 5769.00 |
| 21 | Guniting concrete surface with cement mortar (25 mm nominal thick) applied with compressor after cleaning surface and spraying with epoxy complete as per Technical specification | 15.52 SqM | SqM | 1031.65 | 16011.00 |
| 22 | Sealing of cracks / porous concrete by injection process through nipples/Grouting complete as per Technical specification. A Cement Grout | 200.00 Kg | Kg | 66.74 | 13348.00 |
| 23 | Removal of defective concrete, cleaning the surface thoroughly, applying the shotcrete mixture mechanically with compressed air under pressure, comprising of cement, sand, coarse aggregates, water and quick setting compound in the proportion as per clause 2807.1., sand and coarse aggregates conforming to IS: 383 and table 1 of IS: 9012 respectively, water cement ratio ranging from 0.35 to 0.50, density of gunite not less than 2000 kg/cum, strength not less than 25 MPa and workmanship conforming to clause 2807.6. (40 mm average thickness.) | 17.85 SqM | SqM | 295.24 | 5270.00 |
| | | | | Total = | 290955.00 |

sd/-

Sub-Divisional officer
ngsabati Canals Sub-Division No
Sarenga, Bankura

I/We do hereby agree to execute the above work @% above / Low / At per than the sechedule of rates attached herewith.

Signature of the Contractor

Schedule

Repair & Rehabilitation of bridge at ch 87.50 of Dy 3 of KMC(L), Mouza- Habra, Block - Sarenga Dist - Bankura under Dubrajpur Section of K.C. Sub-Division No.- IV under K.C. Division No.- I, Amlagora, during 2021-22

| Sl. No | Description of itmes | Quantity | Unit | Rate | Amount (Rs.) |
|--------|---|----------------------|------|--------|--------------|
| 1 | Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 m as per Technical Specifications Clause 202 for Rural Roads of MORD. | 1.95 m ³ | Cum | 451.35 | 880.00 |
| 2 | Scraping Plaster in Lime or Cement Mortar from Brick / Stone Masonry as per Technical Specification Clause 202 for Rural Roads of MORD | 91.79 m ² | Sqm | 14.71 | 1350.00 |
| 3 | Sand filling in foundation trenches and at the back of abutments, wing-walls etc. with good local sand free from earth in layers not exceeding 15 cm. including inundating each layer by profuse water and poking and ramming layer by layer complete including supply of sand. Quality of sand is to be approved by the Engineer-in-charge. (The compaction factor may be taken as 0.835) | 0.10 m ³ | Cum | 781.88 | 78.00 |
| 4 | Supplying and laying Polythene Sheet (150gm / sq.m.) over damp proof course or below flooring or roof terracing or in foundation or in foundation trenches. | 2.00 m ² | Sqm | 27.15 | 54.00 |
| 5 | Hire and labour charges for Shuttering with or without staging upto 4.0 m height using approved stout props with ply wood/steel sheet plate with required bracing for any kind of plain or reinforced concrete works in all sorts of minor structure including culvert, box culvert, crossdrain etc. The rate is inclusive of fitting, fixing and striking out after completion of work as per specification and direction. | | | | |
| | (b) Where staging is not required | 8.00 m ² | Sqm | 242.08 | 1937.00 |
| 6 | Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor). [Excluding cost of chipping over concrete surface]. | | | | |
| | (ii) with 1:4 cement mortar (a) 20 mm | 91.79 m ² | Sqm | 190.14 | 17452.00 |

| | | | | | |
|----|---|----------------------|------|---------|----------|
| 7 | Providing anti-corrosive protective coating to inhibit the corrosion to HYSD reinforcements including two coats of anti-corrosive coatings of consumption as per manufacturer's specification, cleaning etc. complete as per the direction of the Engineer-in- Charge. | 6.222 m ² | Sqm | 572.39 | 3561.00 |
| 8 | Cleaning the exposed corroded Reinforcement as well as worn out concrete by sand blasting with air compressor including all materials, hire charges of machineries and labour etc. all complete as per technical specification and direction of the Engineer-in-Charge. | 6.222 m ² | Sqm | 683.24 | 4251.00 |
| 9 | Cement concrete (1:1.5:3) with graded stone chips 5.6 mm size with hexagonal square mesh wire netting, I.R.C. fabric mesh or X.P. M. fitted and fixed after tying the existing reinforcement on concrete without disturbing the same and with proper scarping and cleaning the reinforcement and disturbed concrete with wire brush etc. after applying a coat of cement including the cost of wire netting I.R.C or X. P. M. & cost of all handling and scaffolding complete as per direction of Engineer-in -charge (b) 25mm thick | 6.222 m ² | Sqm | 566.91 | 3527.00 |
| 10 | Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes. (a) Pakur variety | 3.563 m ³ | Cum | 6513.10 | 23206.00 |
| 11 | Applying Exterior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface to receive decorative textured (matt finish) or smooth finish acrylic exterior emulsion paint including scraping and preparing the surface thoroughly, complete as per manufacturer's specification and as per direction of the EIC. In Ground Floor: (b) two Coat | 91.79 m ² | %Sqm | 5101.71 | 4683.00 |
| 12 | Protective and Decorative Acrylic exterior emulsion paint of approved quality, as per manufacturer's specification and as per direction of EIC 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 | 91.79 m ² | Sqm | 75.79 | 6956.00 |
| 13 | Painting block letters or digits in Black Japan or any approved paint as per direction. c) Size above 4 cm. and upto 5 cm | 50.00 No | Each | 11.31 | 566.00 |
| 14 | Drainage Spouts in Superstructure including providing drip mouldings and also including supplying, fitting and fixing approved type of materials complete as per drawing and Technical specification vide clause no. 2705 of MoRT&H's Specification for Road & Bridge Works. | 4.00 No. | each | 885.73 | 3543.00 |

| | | | | | |
|---------|--|------------|-----|---------|-----------|
| 15 | Providing and inserting nipples with approved fixing compound after drilling holes for grouting as per Technical specifications including subsequent cutting/removal and sealing of the hole as necessary of nipples after completion of grouting with Cement/Epoxy. | 50.00 Nos | Nos | 115.38 | 5769.00 |
| 16 | Guniting concrete surface with cement mortar (25 mm nominal thick) applied with compressor after cleaning surface and spraying with epoxy complete as per Technical specification | 37.915 SqM | SqM | 1031.65 | 39115.0 |
| 17 | Sealing of cracks / porous concrete by injection process through nipples/Grouting complete as per Technical specification. A Cement Grout | 200.00 Kg | Kg | 66.74 | 13348.0 |
| 18 | Removal of defective concrete, cleaning the surface thoroughly, applying the shotcrete mixture mechanically with compressed air under pressure, comprising of cement, sand, coarse aggregates, water and quick setting compound in the proportion as per clause 2807.1., sand and coarse aggregates conforming to IS: 383 and table 1 of IS: 9012 respectively, water cement ratio ranging from 0.35 to 0.50, density of gunite not less than 2000 kg/cum, strength not less than 25 MPa and workmanship conforming to clause 2807.6. (40 mm average thickness.) | 6.22 SqM | SqM | 295.24 | 1837.00 |
| Total = | | | | | 132113.00 |

sd/-
Sub-Divisional officer
Kangsabati Canals Sub-Division No.-IV
Sarenga, Bankura

I/We do hereby agree to execute the above work @% above / Low / At per than the schedule of rates attached herewith.

Signature of the Contractor

Schedule**Soil Investigation for Proposed Bridge at ch. 38.00 of Dy. No.- 3 of KMC(L) at Mouza- Habra, Block-Sarenga, Dist.- Bankura under Dubrajpur Section of K.C. Sub-Division No-IV under K.C Division No-I, Amlagora during 2021-22.**

| SI No | Description of Items | Quantity | Unit | Rate including GST & Cess | Amount (Rs.) |
|-------|--|-------------|----------------------|----------------------------|-----------------------------|
| 1 | Mobilisation Charges of all tools & Plants along with accessories, material, labour, supervision etc. at site of work required in connection with boring and testing work, including setting up boring rigs and shifting to different Bore-hole points etc. and also including withdrawal of same from the site after completion of work, complete as per direction of Engineer-in-Charge. b) Detailed Investigation | 1 | L.S | 29795.00 | 29795.00 |
| 2 | Labour for making Bore-Holes of 150mm to 250mm dia. by any standard method to any depth below ground level / bed level in all kinds of soil like clay, , silt, sand, stiff clay, mixed soils etc. except rocks (for the purpose of collecting Disturbed & Un disturbed soil samples, conducting Standard Penetration Test at suitable intervals etc.) including preparation and submission of bore-log as per IRC : 75 and 78 and Clause 2400 of Specifications for Road & Bridge Works (5th Revision), Published by IRC, and also including hire charges of tools and plants complete as per the direction of Engineer-in-Charge. a) When Casing pipe is used to prevent collapse of bore hole (casing pipe to be finally withdrawn) | | | | |
| | (i) Depth 0m to 10m | 20.00 | M | 405.21 | 8104.00 |
| | (ii) Depth greater than 10m and upto 20m | 20.00 | M | 476.72 | 9534.00 |
| | (iii) Depth greater than 20m and upto 30m | 10.00 | M | 560.15 | 5602.00 |
| 3 | B Field Investigation: i) Shallow boring by auger and collection of disturbed sample upto 10m. Depth (In Clayey Silty soil) a) 0m.-6.0m. | 12 | M | 417.13 | 5006.00 |
| 4 | B Field Investigation: v) Collection of Undisturbed soil sample from the bore hole to be made by the concerned Division / Party at their cost. (i)0.0m - 10.0m (ii)10.0m-20.0m (iii)20.0m-30.0m | 2 2 2 | Each Each Each | 274.11 417.13 548.23 | 548.00 834.00 1096.00 |
| 5 | B Field Investigation: | | | | |

| | | | | | |
|----|--|----|------|---------|---------|
| | vi) Standard Penetration Tests (S.P.T.) by Split Spoon Sampler in the bore hole as per IS 2131. | | | | |
| | (i)0.0m - 10.0m | 14 | Each | 417.13 | 5840.00 |
| | (ii)10.0m-20.0m | 14 | Each | 548.23 | 7675.00 |
| | (iii)20.0m-30.0m | 10 | Each | 679.33 | 6793.00 |
| 6 | A. Laboratory Investigation: | | | | |
| | i) Liquid Limit as per IS 2720 (Part – V). | 6 | Each | 417.13 | 2503.00 |
| 7 | A. Laboratory Investigation: | | | | |
| | ii) Plastic Limit as per IS 2720 (Part – V) | 6 | Each | 417.13 | 2503.00 |
| 8 | A. Laboratory Investigation: | | | | |
| | iii) Grain size analysis by Sieving as per IS 2720 (Part – IV). | 12 | Each | 631.65 | 7580.00 |
| 9 | A. Laboratory Investigation: | | | | |
| | iv) Grain size analysis by Hydrometer Method as per IS 2720 (Part – IV). | 6 | Each | 822.34 | 4934.00 |
| 10 | A. Laboratory Investigation: | | | | |
| | v) Determination of Water Content as per IS 2720 (Part – II). | 6 | Each | 166.85 | 1001.00 |
| 11 | A. Laboratory Investigation: | | | | |
| | vi) Determination of Specific Gravity as per IS 2720 (Part – III). | 6 | Each | 548.23 | 3289.00 |
| 12 | A. Laboratory Investigation: | | | | |
| | vii) Direct Shear Test as per IS 2720 (Part – XIII). | 6 | Each | 679.33 | 4076.00 |
| 13 | A. Laboratory Investigation: | | | | |
| | viii) Determination of Unconfined Compression Strength as per IS 2720 (Part – X). | | | | |
| | a) Undisturbed. | 4 | Each | 822.34 | 3289.00 |
| | b) Remoulded. | 4 | Each | 1096.46 | 4386.00 |
| 14 | A. Laboratory Investigation: | | | | |
| | ix) Determination of Sand Content as per IS 2720 (Part – IV). | 6 | Each | 488.64 | 2932.00 |
| 15 | A. Laboratory Investigation: | | | | |
| | xiv) Determination of Consolidation Properties as per IS 2720 (Part – XIV). | 4 | Each | 1096.46 | 4386.00 |
| 16 | A. Laboratory Investigation: | | | | |
| | xvi) Tri-Axial Shear Test. | | | | |
| | a) Determination of Shear strength Parameters of a specimen tested in Unconsolidated Undrained Tri-axial compression without measurement of pore water pressure as per IS 2720 (Part – XI). | 6 | Each | 1096.46 | 6579.00 |
| 17 | Carriage of all Disturbed & Undisturbed Samples from site of work to the Divisional office or elsewhere including loading and unloading as per direction of Engineer-in-Charge. Detailed Investigation. Note: Some samples are to be kept at Sub-Division Office for Additional testing By the Engineer-in- | 1 | L.S | 1906.88 | 1907.00 |

| | | | | | |
|---------------------------|--|---|-----|------------------|----------|
| 18 | Preparation and submission of report in 6 (Six) copies, giving all relevant information data like site plan, Bore log and water table, test results, calculations, discussions, suggestions and recommendations in respect of suitable foundation etc. including determination of silt factor calculation of waterways and complete design of foundation including analysis of Bearing Capacities and settlements in bound and presentable form complete as per direction of Engineer-in-Charge. | | | | |
| | b) Detailed Investigation | 1 | L.S | 14897.50 | 14898.00 |
| Total amount = Rs. | | | | 145090.00 | |

sd/-
Sub-Divisional officer
Kangsabati Canals Sub-Division No.-IV
Sarenga, Bankura

I/We do hereby agree to execute the above work @% above / Low / At per than the schedule of rates attached herewith.

Signature of the Contractor

Schedule**Soil Investigation for Proposed Bridge at ch. 30.00 of Dy. No.- 1 of KMC(L) at Mouza – Pirargari, Block-Sarenga, Dist.- Bankura under Pirargari Section of K.C. Sub-Division No-IV under K.C Division No-I, Amlagora during 2021-22.**

| Sl. No. | Description of items | Quantity | Unit | Rate | Amount |
|---------|--|----------|------|----------|----------|
| 1 | Mobilisation Charges of all tools & Plants along with accessories, material, labour, supervision etc. at site of work required in connection with boring and testing work, including setting up boring rigs and shifting to different Bore-hole points etc. and also including withdrawal of same from the site after completion of work, complete as per direction of Engineer-in-Charge. | | | | |
| | b) Detailed Investigation | 1 | L.S | 29795.00 | 29795.00 |
| 2 | Labour for making Bore-Holes of 150mm to 250mm dia. by any standard method to any depth below ground level / bed level in all kinds of soil like clay, , silt, sand, stiff clay, mixed soils etc. except rocks (for the purpose of collecting Disturbed & Un disturbed soil samples, conducting Standard Penetration Test at suitable intervals etc.) including preparation and submission of bore-log as per IRC : 75 and 78 and Clause 2400 of Specifications for Road & Bridge Works (5th Revision), Published by IRC, and also including hire charges of tools and plants complete as per the direction of Engineer-in-Charge. | | | | |
| | a) When Casing pipe is used to prevent collapse of bore hole (casing pipe to be finally withdrawn) | | | | |
| | (i) Depth 0m to 10m | 10.00 | M | 405.21 | 4052.00 |
| | (ii) Depth greater than 10m and upto 20m | 10.00 | M | 476.72 | 4767.00 |
| | (iii) Depth greater than 20m and upto 30m | 5.00 | M | 560.15 | 2801.00 |
| 3 | B Field Investigation: | | | | |
| | i) Shallow boring by auger and collection of disturbed sample upto 10m. Depth (In Clayey Silty soil) | | | | |
| | a) 0m.-6.0m. | 6 | M | 417.13 | 2503.00 |
| 4 | B Field Investigation: | | | | |
| | v) Collection of Undisturbed soil sample from the bore hole to be made by the concerned Division / Party at their cost. | | | | |
| | (i)0.0m - 10.0m | 1 | Each | 274.11 | 274.00 |
| | (ii)10.0m-20.0m | 1 | Each | 417.13 | 417.00 |
| | (iii)20.0m-30.0m | 1 | Each | 548.23 | 548.00 |
| 5 | B Field Investigation: | | | | |
| | vi) Standard Penetration Tests (S.P.T.) by Split Spoon Sampler in the bore hole as per IS 2131. | | | | |
| | (i)0.0m - 10.0m | 7 | Each | 417.13 | 2920.00 |
| | (ii)10.0m-20.0m | 7 | Each | 548.23 | 3838.00 |
| | (iii)20.0m-30.0m | 5 | Each | 679.33 | 3397.00 |
| 6 | A. Laboratory Investigation: | | | | |
| | i) Liquid Limit as per IS 2720 (Part – V). | 3 | Each | 417.13 | 1251.00 |
| 7 | A. Laboratory Investigation: | | | | |
| | ii) Plastic Limit as per IS 2720 (Part – V) | 3 | Each | 417.13 | 1251.00 |
| 8 | A. Laboratory Investigation: | | | | |
| | iii) Grain size analysis by Sieving as per IS 2720 (Part – IV). | 6 | Each | 631.65 | 3790.00 |
| 9 | A. Laboratory Investigation: | | | | |
| | iv) Grain size analysis by Hydrometer Method as per IS 2720 (Part – IV). | 3 | Each | 822.34 | 2467.00 |
| 10 | A. Laboratory Investigation: | | | | |
| | v) Determination of Water Content as per IS 2720 (Part – II). | 3 | Each | 166.85 | 501.00 |
| 11 | A. Laboratory Investigation: | | | | |
| | vi) Determination of Specific Gravity as per IS 2720 (Part – III). | 3 | Each | 548.23 | 1645.00 |
| 12 | A. Laboratory Investigation: | | | | |
| | vii) Direct Shear Test as per IS 2720 (Part – XIII). | 3 | Each | 679.33 | 2038.00 |
| 13 | A. Laboratory Investigation: | | | | |

| | | | | | |
|----|---|---|------|----------|------------------|
| | viii) Determination of Unconfined Compression Strength as per IS 2720 (Part – | | | | |
| | a) Undisturbed. | 2 | Each | 822.34 | 1645.00 |
| | b) Remoulded. | 2 | Each | 1096.46 | 2193.00 |
| 14 | A. Laboratory Investigation: | | | | |
| | ix) Determination of Sand Content as per IS 2720 (Part – IV). | 3 | Each | 488.64 | 1466.00 |
| 15 | A. Laboratory Investigation: | | | | |
| | xiv) Determination of Consolidation Properties as per IS 2720 (Part – XIV). | 2 | Each | 1096.46 | 2193.00 |
| 16 | A. Laboratory Investigation: | | | | |
| | xvi) Tri-Axial Shear Test. | | | | |
| | a) Determination of Shear strength Parameters of a specimen tested in Unconsolidated Undrained Tri-axial compression without measurement of pore water pressure as per IS 2720 (Part – XI). | 3 | Each | 1096.46 | 3289.00 |
| 17 | Carriage of all Disturbed & Undisturbed Samples from site of work to the Divisional office or elsewhere including loading and unloading as per direction of Engineer-in-Charge. Detailed Investigation. Note: Some samples are to be kept at Sub-Division Office for Additional testing By the Engineer-in-Charge. | 1 | L.S | 1906.88 | 1907.00 |
| 18 | Preparation and submission of report in 6 (Six) copies, giving all relevant information data like site plan, Bore log and water table, test results, calculations, discussions, suggestions and recommendations in respect of suitable foundation etc. including determination of silt factor calculation of waterways and complete design of foundation including analysis of Bearing Capacities and settlements in bound and presentable form complete as per | | | | |
| | b) Detailed Investigation | 1 | L.S | 14897.50 | 14898.00 |
| | | | | Total | 95,846.00 |

sd/-

Sub-Divisional officer
Kangsabati Canals Sub-Division No.-IV
Sarenga, Bankura

I/We do hereby agree to execute the above work @% above / Low / At per than the sechedule of rates attached herewith.

Signature of the Contractor

Schedule**Soil Investigation for Proposed Bridge at ch. 404.49 of MBC under Ramgarh Section at Mouza-Janglekhas, Block- Binpur-I, Dist- Jhargram under Ramgarhsection of K.C. Sub-Division No-IV under K.C Division No-I, Amlagora during 2021-22.**

| Sl No | Description of Items | Quantity | Unit | Rate including GST & Cess | Amount (Rs.) |
|-------|--|-------------|----------------------|----------------------------|------------------------------|
| 1 | Mobilisation Charges of all tools & Plants along with accessories, material, labour, supervision etc. at site of work required in connection with boring and testing work, including setting up boring rigs and shifting to different Bore-hole points etc. and also including withdrawal of same from the site after completion of work, complete as per direction of Engineer-in-Charge. b) Detailed Investigation | 1 | L.S | 29795.00 | 29795.00 |
| 2 | Labour for making Bore-Holes of 150mm to 250mm dia. by any standard method to any depth below ground level / bed level in all kinds of soil like clay, , silt, sand, stiff clay, mixed soils etc. except rocks (for the purpose of collecting Disturbed & Un disturbed soil samples, conducting Standard Penetration Test at suitable intervals etc.) including preparation and submission of bore-log as per IRC : 75 and 78 and Clause 2400 of Specifications for Road & Bridge Works (5th Revision), Published by IRC, and also including hire charges of tools and plants complete as per the direction of Engineer-in-Charge. a) When Casing pipe is used to prevent collapse of bore hole (casing pipe to be finally withdrawn) | | | | |
| | (i) Depth 0m to 10m | 30.00 | M | 405.21 | 12156.00 |
| | (ii) Depth greater than 10m and upto 20m | 30.00 | M | 476.72 | 14302.00 |
| | (iii) Depth greater than 20m and upto 30m | 30.00 | M | 560.15 | 16805.00 |
| 3 | B Field Investigation: i) Shallow boring by auger and collection of disturbed sample upto 10m. Depth (In Clayey Silty soil) a) 0m.-6.0m. | 18 | M | 417.13 | 7508.00 |
| 4 | B Field Investigation: v) Collection of Undisturbed soil sample from the bore hole to be made by the concerned Division / Party at their cost. (i)0.0m - 10.0m (ii)10.0m-20.0m (iii)20.0m-30.0m | 3 3 3 | Each Each Each | 274.11 417.13 548.23 | 822.00 1251.00 1645.00 |

| | | | | | |
|----|---|----|------|---------|----------|
| 5 | B Field Investigation: | | | | |
| | vi) Standard Penetration Tests (S.P.T.) by Split Spoon Sampler in the bore hole as per IS 2131. | | | | |
| | (i)0.0m - 10.0m | 21 | Each | 417.13 | 8760.00 |
| | (ii)10.0m-20.0m | 21 | Each | 548.23 | 11513.00 |
| | (iii)20.0m-30.0m | 15 | Each | 679.33 | 10190.00 |
| 6 | A. Laboratory Investigation: | | | | |
| | i) Liquid Limit as per IS 2720 (Part – V). | 9 | Each | 417.13 | 3754.00 |
| 7 | A. Laboratory Investigation: | | | | |
| | ii) Plastic Limit as per IS 2720 (Part – V) | 9 | Each | 417.13 | 3754.00 |
| 8 | A. Laboratory Investigation: | | | | |
| | iii) Grain size analysis by Sieving as per IS 2720 (Part – | 18 | Each | 631.65 | 11370.00 |
| 9 | A. Laboratory Investigation: | | | | |
| | iv) Grain size analysis by Hydrometer Method as per IS 2720 (Part – IV). | 9 | Each | 822.34 | 7401.00 |
| 10 | A. Laboratory Investigation: | | | | |
| | v) Determination of Water Content as per IS 2720 (Part – II). | 9 | Each | 166.85 | 1502.00 |
| 11 | A. Laboratory Investigation: | | | | |
| | vi) Determination of Specific Gravity as per IS 2720 (Part – III). | 9 | Each | 548.23 | 4934.00 |
| 12 | A. Laboratory Investigation: | | | | |
| | vii) Direct Shear Test as per IS 2720 (Part – XIII). | 9 | Each | 679.33 | 6114.00 |
| 13 | A. Laboratory Investigation: | | | | |
| | viii) Determination of Unconfined Compression Strength as per IS 2720 (Part – X). | | | | |
| | a) Undisturbed. | 6 | Each | 822.34 | 4934.00 |
| | b) Remoulded. | 6 | Each | 1096.46 | 6579.00 |
| 14 | A. Laboratory Investigation: | | | | |
| | ix) Determination of Sand Content as per IS 2720 (Part – IV). | 9 | Each | 488.64 | 4398.00 |
| 15 | A. Laboratory Investigation: | | | | |
| | xiv) Determination of Consolidation Properties as per IS 2720 (Part – XIV). | 6 | Each | 1096.46 | 6579.00 |
| 16 | A. Laboratory Investigation: | | | | |
| | xvi) Tri-Axial Shear Test. a) Determination of Shear strength Parameters of a specimen tested in Unconsolidated Undrained Tri-axial compression without measurement of pore water pressure as per IS 2720 (Part – XI). | 9 | Each | 1096.46 | 9868.00 |

| | | | | | |
|---------------------------|--|---|-----|----------|------------------|
| 17 | Carriage of all Disturbed & Undisturbed Samples from site of work to the Divisional office or elsewhere including loading and unloading as per direction of Engineer-in-Charge. Detailed Investigation. Note: Some samples are to be kept at Sub-Division Office for Additional testing By the Engineer-in-Charge. | 1 | L.S | 1906.88 | 1907.00 |
| 18 | Preparation and submission of report in 6 (Six) copies, giving all relevant information data like site plan, Bore log and water table, test results, calculations, discussions, suggestions and recommendations in respect of suitable foundation etc. including determination of silt factor calculation of waterways and complete design of foundation including analysis of Bearing Capacities and settlements in bound and presentable form complete as per direction of Engineer-in-Charge. | | | | |
| | b) Detailed Investigation | 1 | L.S | 14897.50 | 14898.00 |
| Total amount = Rs. | | | | | 202739.00 |

sd/-
Sub-Divisional officer
Kangsabati Canals Sub-Division No.-IV
Sarenga, Bankura

I/We do hereby agree to execute the above work @% above / Low / At per than the schedule of rates attached herewith.

Signature of the Contractor