



**NOTIFICATION OF AWARD  
Letter of Acceptance**

**Memo. No. 368- CI(SPMU)**

**Date: 21/03/2023**

**To**  
**MACKINTOSH BURN LIMITED**  
**D-1/1, GILLANDER HOUSE,**  
**8, NETAJI SUBHAS ROAD, KOLKATA-700001.**  
**Email Address: ghosal1962@gmail.com; mbllstender12@gmail.com**

**Subject: Name of Work: "Protection of both banks of river Damodar at different locations for a length of 10.05 km and strengthening of Damodar right embankment for a length of 5.485 km of River Damodar District Purbo Bardhaman & Hooghly; Package - XIII" comprising 04 (Four) Lots (FM-13)**

**Lot 1: Protection of both banks of river Damodar at different locations for a length of 7.10 km and strengthening of Damodar right embankment at different locations for a length of 0.475 km of River Damodar District Purbo Bardhaman & Hooghly.**

**RFB NO. - WBMIFMP/PD/NCB/22-23/FM-13/L-1**

This is to notify you that your Bid dated 06/01/2023 for execution of the "Protection of both banks of river Damodar at different locations for a length of 10.05 km and strengthening of Damodar right embankment for a length of 5.485 km of River Damodar District Purbo Bardhaman & Hooghly; Package - XIII" comprising 04 (Four) Lots (FM-13), Lot 1: Protection of both banks of river Damodar at different locations for a length of 7.10 km and strengthening of Damodar right embankment at different locations for a length of 0.475 km of River Damodar District Purbo Bardhaman & Hooghly. and RFB NO. - WBMIFMP/PD/NCB/22-23/FM-13/L-1 for the Accepted Contract Amount of **Rs. 41,27,49,988.86 (Rupees Forty One Crore Twenty Seven Lakh Forty Nine Thousand Nine Hundred Eighty Eight and Eighty Six Paise Only) (Including Provisional Sum Amount Rs. 1,69,96,477.09)**, in accordance with the Instructions to Bidders is hereby accepted.

You are requested to furnish the **Performance Security** and **ESHS Performance Security** in the form detailed in ITB Clause 50 for amounts of **Rs. 3,16,60,281.00** and **Rs. 79,15,070.00** specified therein, within **21 days** of the receipt of this letter of acceptance, and visit this office to sign the contract, failing which action as stated in ITB Clause 50.2 will be taken in accordance with the Conditions of Contract. The securities shall be valid up to **28 days** from the date of completion i.e. up to **15/01/2024** and shall be as per the Performance Security Form and the ESHS Performance Security Form, included in Section X - Contract Forms, of the bidding document.

We accept that **Sri Tushar Kanti Ghosh**, Ex-Secretary, Irrigation & Waterways Department, Govt. of West Bengal be appointed as the Adjudicator.

We note that as per your bid, you do not intend to subcontract any component of work.

We have reviewed the construction methodology submitted by you along with the bid in response to ITB Clause 16 and our comments are given in the attachment. You are requested to submit a revised Program including ESHS requirements as per Clause 30 of General Conditions of Contract within **14 days** of receipt of this letter of acceptance.

Authorized Signature: Debasish Sengupta 21/3/23

Name and Title of Signatory: **DEBASISH SENGUPTA**

Chief Engineer and Project Director, SPMU, WBMIFMP.

Name of Employer: Chief Engineer & Project Director, SPMU, WBMIFMP, Govt. of West Bengal.

**Memo. No. 368/1(2) – CI(SPMU)**

**Date: 21/03/2023**

- (1) P.S. to the Hon'ble MIC, Irrigation and Waterways Department, Govt. of West Bengal with the request to apprise the matter to the Hon'ble MIC, Irrigation and Waterways Department, Govt. of West Bengal.
- (2) Sr. P.A to the Principal Secretary to the Govt. of West Bengal, Irrigation and Waterways Department with the request to apprise the matter to the Principal Secretary, Govt. of West Bengal, Irrigation and Waterways Department.

*sdh*

D. Sengupta  
Chief Engineer & Project Director  
WBMIFM Project  
Irrigation & Waterways Directorate  
Government of West Bengal

**Memo. No. 368/2(6) – CI(SPMU)**

**Date: 21/03/2023**

Copy with copy of enclosure submitted for information to:

- (1) Secretary to the Govt. of West Bengal, Irrigation and Waterways Department.
- (2) Joop Stoutjesdijk, TTL, World Bank.
- (3) David Ginting, TTL, AIIB.
- (4) Additional Project Director-IV, DPMU-II, WBMIFMP.
- (5) Sri Tushar Kanti Ghosh, Adjudicator, AK-261, Sector-2, Salt Lake, Kolkata - 700091.
- (6) Team Leader, Project Management Consultant, WBMIFMP.

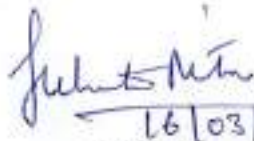
*sdh*

D. Sengupta  
Chief Engineer & Project Director  
WBMIFM Project  
Irrigation & Waterways Directorate  
Government of West Bengal

**Comments to the Construction Methodology for FM - 13 (LOT - 1)**

(Submitted by Mackintosh Burn Limited)

- A brief mention in line with GCC 15.3 mentioned under PCC should be made at the beginning of the Construction Methodology.
- Construction methodology may be submitted in detail incorporating following components:
  - Methodology for River Bank Protection works including preparation of Sub-base for laying Geotextile and Boulder.
  - Methodology for Construction of Launching Apron.
- Baseline environmental parameters as per notes under Appendix - II/12 needs to be taken prior to commencement of works.
- Site Mobilization Plan needs to be submitted in line with Construction Schedule.
- All duration of work mentioned in method statement should be supported in MS Project.
- PER-1 & PER-2 may be freshly submitted incorporating the criteria mentioned in "Key Personnel" of Section III of bid document.

  
16/03/2023

S. Mitra

Procurement Specialist  
Project Management Consultant  
WBMIFMP

  
16/03/23

P. Datta

Team Leader  
Project Management Consultant  
WBMIFMP



### CONTRACT AWARD NOTICE

<b>Name &amp; Address of Employer:</b>	Chief Engineer and Project Director, SPMU, WBMIFMP Ninth Floor, Jalasampad Bhawan, Western Block, Bidhannagar, Salt Lake City, Kolkata-700091, INDIA
<b>Name of Contract:</b>	"Protection of both banks of river Damodar at different locations for a length of 10.05 km and strengthening of Damodar right embankment for a length of 5.485 km of River Damodar District Purbo Bardhaman & Hooghly; Package - XIII" comprising 04 (Four) Lots (FM-13) Lot 1: Protection of both banks of river Damodar at different locations for a length of 7.10 km and strengthening of Damodar right embankment at different locations for a length of 0.475 km of River Damodar District Purbo Bardhaman & Hooghly. RFB NO. - WBMIFMP/PD/NCB/22-23/FM-13/L-1
<b>Selection Method:</b>	Request for Bids

#### Name of all bidders with bid prices at opening and their evaluated bid price:

Sl. No.	Name of Bidder	Bid Amount quoted (INR)	Evaluated Bid Price (INR)
01	MACKINTOSH BURN LIMITED	41,27,49,988.86	41,27,49,988.86
02	CHAKRABORTY CONSTRUCTION	42,86,87,937.30	42,86,87,937.30

#### Name of all Technically rejected bidders with reasons:

Sl. No.	Name of Bidder	Brief reasons for rejection of Technical Bid
01	NIL	Not Applicable

<b>Name of Successful Bidder:</b>	<b>MACKINTOSH BURN LIMITED</b>
<b>Final Total Contract Price:</b>	Rs. 41,27,49,988.86 (Rupees Forty One Crore Twenty Seven Lakh Forty Nine Thousand Nine Hundred Eighty Eight and Paise Eighty Six Only) (Including Provisional Sum Amount Rs. 1,69,96,477.09).
<b>Contract Duration:</b>	244 days including rainy and all other seasons.
<b>Summary of Scope of Work:</b>	This work consists of Restorative action of erosion of banks, right embankment of river has also been included for strengthening at the strategically vulnerable locations where ponds/water bodies are adjacent to the countryside slope of the embankment, by widening the embankment with earth supported by EUC Bullah, nylon crated HDPE Bags at the toe. Moreover, river side slope has also been proposed for protection by laying precast cement concrete block on slopes supported by cement concrete toe wall at the toe, at different locations affected during passage of flood during 2021. The main component of the work comprises of Earthwork in excavation in the River bed / slope of bank, riverside protection works on both banks of river Damodar at several locations with boulder pitching, construction of sausages, Caulking joints, Supplying and laying UV stabilizing polypropylene woven geotextile, Supplying and driving Jhaw/Eucalyptus bullah piles, Supplying and laying HDPE bags, Supplying and filling empty cement gunny bags, Earthwork in excavation for making embankments, Precast cement concrete blocks.

Date: 21/03/2023

  
D. Sengupta  
Chief Engineer & Project Director  
WBMIFM Project  
Irrigation & Waterways Directorate  
Government of West Bengal



**NOTIFICATION OF AWARD  
Letter of Acceptance**

**Memo. No. 369- CI(SPMU)**

**Date: 21/03/2023**

**To**

**M/S SOURABH KUMAR ROY**

**RAJABAZAR, P.S.- KOTWALI,**

**DIST- PASCHIM MEDINIPUR, WEST BENGAL, PIN- 721101.**

**Email Address: roysangita.1977@gmail.com**

**Subject: Name of Work: "Protection of both banks of river Damodar at different locations for a length of 10.05 km and strengthening of Damodar right embankment for a length of 5.485 km of River Damodar District Purbo Bardhaman & Hooghly; Package - XIII" comprising 04 (Four) Lots (FM-13)**

**Lot 2: Protection of Right bank of river Damodar at Jangalpara for a length of 0.800 km and strengthening of Damodar right embankment at different locations for a length of 4.205 km of River Damodar District Hooghly.**

**RFB NO. - WBMIFMP/PD/NCB/22-23/FM-13/L-2**

This is to notify you that your Bid dated **06/01/2023** for execution of the "**Protection of both banks of river Damodar at different locations for a length of 10.05 km and strengthening of Damodar right embankment for a length of 5.485 km of River Damodar District Purbo Bardhaman & Hooghly; Package - XIII**" comprising **04 (Four) Lots (FM-13)**, **Lot 2: Protection of Right bank of river Damodar at Jangalpara for a length of 0.800 km and strengthening of Damodar right embankment at different locations for a length of 4.205 km of River Damodar District Hooghly.** and **RFB NO. - WBMIFMP/PD/NCB/22-23/FM-13/L-2** for the Accepted Contract Amount of **Rs. 13,96,37,619.74 (Rupees Thirteen Crore Ninety Six Lakh Thirty Seven Thousand Six Hundred Nineteen and Seventy Four Paise Only) (Including Provisional Sum Amount Rs. 72,55,846.92)**, in accordance with the Instructions to Bidders is hereby accepted.

You are requested to furnish the **Performance Security** and **ESHS Performance Security** in the form detailed in ITB Clause 50 for amounts of **Rs. 1,05,90,542.00** and **Rs. 26,47,635.00** specified therein, within **21 days** of the receipt of this letter of acceptance, and visit this office to sign the contract, failing which action as stated in ITB Clause 50.2 will be taken in accordance with the Conditions of Contract. The securities shall be valid up to **28 days** from the date of completion i.e. up to **15/01/2024** and shall be as per the Performance Security Form and the ESHS Performance Security Form, included in Section X - Contract Forms, of the bidding document.

We accept that **Sri Tushar Kanti Ghosh**, Ex-Secretary, Irrigation & Waterways Department, Govt. of West Bengal be appointed as the Adjudicator.

We note that as per your bid, you do not intend to subcontract any component of work.

We have reviewed the construction methodology submitted by you along with the bid in response to ITB Clause 16 and our comments are given in the attachment. You are requested to submit a revised Program including ESHS requirements as per Clause 30 of General Conditions of Contract within **14 days** of receipt of this letter of acceptance.

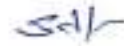
Authorized Signature: .....

Name and Title of Signatory: **DEBASISH SENGUPTA**

Chief Engineer and Project Director, SPMU, WBMIFMP.

Name of Employer: Chief Engineer & Project Director, SPMU, WBMIFMP, Govt. of West Bengal.

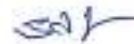
- (1) P.S. to the Hon'ble MIC, Irrigation and Waterways Department, Govt. of West Bengal with the request to apprise the matter to the Hon'ble MIC, Irrigation and Waterways Department, Govt. of West Bengal.
- (2) Sr. P.A to the Principal Secretary to the Govt. of West Bengal, Irrigation and Waterways Department with the request to apprise the matter to the Principal Secretary, Govt. of West Bengal, Irrigation and Waterways Department.



D. Sengupta  
Chief Engineer & Project Director  
WBMIFM Project  
Irrigation & Waterways Directorate  
Government of West Bengal

Copy with copy of enclosure submitted for information to:

- (1) Secretary to the Govt. of West Bengal, Irrigation and Waterways Department.
- (2) Joop Stoutjesdijk, TTL, World Bank.
- (3) David Ginting, TTL, AIIB.
- (4) Additional Project Director-IV, DPMU-II, WBMIFMP.
- (5) Sri Tushar Kanti Ghosh, Adjudicator, AK-261, Sector-2, Salt Lake, Kolkata - 700091.
- (6) Team Leader, Project Management Consultant, WBMIFMP.

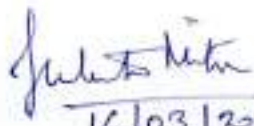


D. Sengupta  
Chief Engineer & Project Director  
WBMIFM Project  
Irrigation & Waterways Directorate  
Government of West Bengal

**Comments to the Construction Methodology for FM – 13 (LOT - 2)**

(Submitted by M/S Sourabh Kumar Roy)

- A brief mention in line with GCC 15.3 mentioned under PCC should be made at the beginning of the Construction Methodology.
- Construction methodology may be submitted in detail incorporating following components:
  - Methodology for River Bank Protection works including preparation of Sub-base for laying Geotextile and boulder.
  - Methodology for Construction of Launching Apron.
- Baseline environmental parameters as per notes under Appendix - II/12 needs to be taken prior to commencement of works.
- Site Mobilization Plan needs to be submitted in line with Construction Schedule.
- All duration of work mentioned in method statement should be supported in MS Project.
- PER-1 & PER-2 may be freshly submitted incorporating the criteria mentioned in "Key Personnel" of Section III of bid document.

  
16/03/2023

S. Mitra  
Procurement Specialist  
Project Management Consultant  
WBMIFMP

  
16/03/23

P. Datta  
Team Leader  
Project Management Consultant  
WBMIFMP



### CONTRACT AWARD NOTICE

<b>Name &amp; Address of Employer:</b>	Chief Engineer and Project Director, SPMU, WBMIFMP Ninth Floor, Jalasampad Bhawan, Western Block, Bidhannagar, Salt Lake City, Kolkata-700091, INDIA
<b>Name of Contract:</b>	"Protection of both banks of river Damodar at different locations for a length of 10.05 km and strengthening of Damodar right embankment for a length of 5.485 km of River Damodar District Purbo Bardhaman & Hooghly; Package - XIII" comprising 04 (Four) Lots (FM-13) Lot 2: Protection of Right bank of river Damodar at Jangalpara for a length of 0.800 km and strengthening of Damodar right embankment at different locations for a length of 4.205 km of River Damodar District Hooghly. RFB NO. - WBMIFMP/PD/NCB/22-23/FM-13/L-2
<b>Selection Method:</b>	Request for Bids

**Name of all bidders with bid prices at opening and their evaluated bid price:**

Sl. No.	Name of Bidder	Bid Amount quoted (INR)	Evaluated Bid Price (INR)
01	M/S SOURABH KUMAR ROY	13,96,37,619.74	13,96,37,619.74
02	MSA CONSTRUCTION PVT. LTD.	14,22,15,272.90	14,22,15,272.90
03	M/S G.K. ENTERPRISE	14,90,17,614.39	14,90,17,614.39

**Name of all Technically rejected bidders with reasons:**

Sl. No.	Name of Bidder	Brief reasons for rejection of Technical Bid
01	NIL	Not Applicable

<b>Name of Successful Bidder:</b>	<b>M/S SOURABH KUMAR ROY</b>
<b>Final Total Contract Price:</b>	Rs. 13,96,37,619.74 (Rupees Thirteen Crore Ninety Six Lakh Thirty Seven Thousand Six Hundred Nineteen and Paise Seventy Four Only) (Including Provisional Sum Amount Rs. 72,55,846.92).
<b>Contract Duration:</b>	244 days including rainy and all other seasons.
<b>Summary of Scope of Work:</b>	This work consists of Restorative action of erosion of banks, right embankment of river has also been included for strengthening at the strategically vulnerable locations where ponds/water bodies are adjacent to the countryside slope of the embankment, by widening the embankment with earth supported by EUC Bullah, nylon crated HDPE Bags at the toe. Moreover, river side slope has also been proposed for protection by laying precast cement concrete block on slopes supported by cement concrete toe wall at the toe, at different locations affected during passage of flood during 2021. The main component of the work comprises of Earthwork in excavation in the River bed / slope of bank, riverside protection works on both banks of river Damodar at several locations with boulder pitching, construction of sausages, Caulking joints, Supplying and laying UV stabilized polypropylene woven geotextile, Supplying and driving Jhaw/Eucalyptus bullah piles, Supplying and laying HDPE bags, Supplying and filling empty cement gunny bags, Earthwork in excavation for making embankments, Precast cement concrete blocks.

Date: 21/03/2023

  
D. Sengupta  
Chief Engineer & Project Director  
WBMIFM Project  
Irrigation & Waterways Directorate  
Government of West Bengal





**NOTIFICATION OF AWARD  
Letter of Acceptance**

**Memo. No. 370- CI(SPMU)**

**Date: 21/03/2023**

**To**  
**M/S NEOGY & CO.**  
**117, D. H. ROAD,**  
**KOLKATA - 700034, WEST BENGAL.**  
**Email Address: neogytapas@gmail.com**

**Subject: Name of Work: "Protection of both banks of river Damodar at different locations for a length of 10.05 km and strengthening of Damodar right embankment for a length of 5.485 km of River Damodar District Purbo Bardhaman & Hooghly; Package - XIII" comprising 04 (Four) Lots (FM-13)**

**Lot 3: Protection of both banks of river Damodar at Hemtachak for a length of 1.05 km and strengthening of Damodar right embankment at different locations for a length of 0.649 km of River Damodar District Hooghly.**

**RFB NO. - WBMIFMP/PD/NCB/22-23/FM-13/L-3**

This is to notify you that your Bid dated 06/01/2023 for execution of the "Protection of both banks of river Damodar at different locations for a length of 10.05 km and strengthening of Damodar right embankment for a length of 5.485 km of River Damodar District Purbo Bardhaman & Hooghly; Package - XIII" comprising 04 (Four) Lots (FM-13), Lot 3: Protection of both banks of river Damodar at Hemtachak for a length of 1.05 km and strengthening of Damodar right embankment at different locations for a length of 0.649 km of River Damodar District Hooghly. and RFB NO. - WBMIFMP/PD/NCB/22-23/FM-13/L-3 for the Accepted Contract Amount of Rs. 7,94,61,069.87 (Rupees Seven Crore Ninety Four Lakh Sixty One Thousand Sixty Nine and Eighty Seven Paise Only) (Including Provisional Sum Amount Rs. 39,34,343.86), in accordance with the Instructions to Bidders is hereby accepted.

You are requested to furnish the **Performance Security** and **ESHS Performance Security** in the form detailed in ITB Clause 50 for amounts of **Rs. 60,42,138.00** and **Rs. 15,10,535.00** specified therein, within **21 days** of the receipt of this letter of acceptance, and visit this office to sign the contract, failing which action as stated in ITB Clause 50.2 will be taken in accordance with the Conditions of Contract. The securities shall be valid up to **28 days** from the date of completion i.e. up to **15/01/2024** and shall be as per the Performance Security Form and the ESHS Performance Security Form, included in Section X - Contract Forms, of the bidding document.

We accept that **Sri Tushar Kanti Ghosh**, Ex-Secretary, Irrigation & Waterways Department, Govt. of West Bengal be appointed as the Adjudicator.

We note that as per your bid, you do not intend to subcontract any component of work.


We have reviewed the construction methodology submitted by you along with the bid in response to ITB Clause 16 and our comments are given in the attachment. You are requested to submit a revised Program including ESHS requirements as per Clause 30 of General Conditions of Contract within **14 days** of receipt of this letter of acceptance.

Authorized Signature: .....

Name and Title of Signatory: **DEBASISH SENGUPTA**  
Chief Engineer and Project Director, SPMU, WBMIFMP.

Name of Employer: Chief Engineer & Project Director, SPMU, WBMIFMP, Govt. of West Bengal.

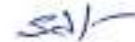
- (1) P.S. to the Hon'ble MIC, Irrigation and Waterways Department, Govt. of West Bengal with the request to apprise the matter to the Hon'ble MIC, Irrigation and Waterways Department, Govt. of West Bengal.
- (2) Sr. P.A to the Principal Secretary to the Govt. of West Bengal, Irrigation and Waterways Department with the request to apprise the matter to the Principal Secretary, Govt. of West Bengal, Irrigation and Waterways Department.



D. Sengupta  
Chief Engineer & Project Director  
WBMIFM Project  
Irrigation & Waterways Directorate  
Government of West Bengal

Copy with copy of enclosure submitted for information to:

- (1) Secretary to the Govt. of West Bengal, Irrigation and Waterways Department.
- (2) Joop Stoutjesdijk, TTL, World Bank.
- (3) David Ginting, TTL, AIIB.
- (4) Additional Project Director-IV, DPMU-II, WBMIFMP.
- (5) Sri Tushar Kanti Ghosh, Adjudicator, AK-261, Sector-2, Salt Lake, Kolkata - 700091.
- (6) Team Leader, Project Management Consultant, WBMIFMP.

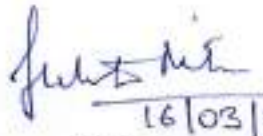


D. Sengupta  
Chief Engineer & Project Director  
WBMIFM Project  
Irrigation & Waterways Directorate  
Government of West Bengal

**Comments to the Construction Methodology for FM - 13 (LOT - 3)**


(Submitted by M/S Neogy & Co.)

- A brief mention in line with GCC 15.3 mentioned under PCC should be made at the beginning of the Construction Methodology.
- Construction methodology may be submitted in detail incorporating following components:
  - Methodology for River Bank Protection works including preparation of Sub-base for laying Geotextile and boulder.
  - Methodology for Construction of Launching Apron.
- Baseline environmental parameters as per notes under Appendix - II/12 needs to be taken prior to commencement of works.
- Site Mobilization Plan needs to be submitted in line with Construction Schedule.
- All duration of work mentioned in method statement should be supported in MS Project.
- PER-1 & PER-2 may be freshly submitted incorporating the criteria mentioned in "Key Personnel" of Section III of bid document.

  
16/03/2023

S. Mitra

Procurement Specialist  
Project Management Consultant  
WBMIFMP

  
16/03/23

P. Datta

Team Leader  
Project Management Consultant  
WBMIFMP



### CONTRACT AWARD NOTICE

<b>Name &amp; Address of Employer:</b>	Chief Engineer and Project Director, SPMU, WBMIFMP Ninth Floor, Jalasampad Bhawan, Western Block, Bidhannagar, Salt Lake City, Kolkata-700091, INDIA
<b>Name of Contract:</b>	"Protection of both banks of river Damodar at different locations for a length of 10.05 km and strengthening of Damodar right embankment for a length of 5.485 km of River Damodar District Purbo Bardhaman & Hooghly; Package - XIII" comprising 04 (Four) Lots (FM-13) Lot 3: Protection of both banks of river Damodar at Hemtchak for a length of 1.05 km and strengthening of Damodar right embankment at different locations for a length of 0.649 km of River Damodar District Hooghly. RFB NO. - WBMIFMP/PD/NCB/22-23/FM-13/L-3
<b>Selection Method:</b>	Request for Bids

**Name of all bidders with bid prices at opening and their evaluated bid price:**

Sl. No.	Name of Bidder	Bid Amount quoted (INR)	Evaluated Bid Price (INR)
01	M/S NEOGY & CO.	7,94,61,069.87	7,94,61,069.87
02	M/S KAYAL CONSTRUCTION	8,42,61,137.24	8,42,61,137.24
03	RUDRA & COMPANY	8,45,21,568.25	8,45,21,568.25

**Name of all Technically rejected bidders with reasons:**

Sl. No.	Name of Bidder	Brief reasons for rejection of Technical Bid
01	NIL	Not Applicable

<b>Name of Successful Bidder:</b>	<b>M/S NEOGY &amp; CO</b>
<b>Final Total Contract Price:</b>	Rs. 7,94,61,069.87 (Rupees Seven Crore Ninety Four Lakh Sixty One Thousand Sixty Nine and Paise Eighty Seven Only) (Including Provisional Sum Amount Rs. 39,34,343.86).
<b>Contract Duration:</b>	244 days including rainy and all other seasons.
<b>Summary of Scope of Work:</b>	This work consists of Restorative action of erosion of banks, right embankment of river has also been included for strengthening at the strategically vulnerable locations where ponds/water bodies are adjacent to the countryside slope of the embankment, by widening the embankment with earth supported by EUC Bullah, nylon crated HDPE Bags at the toe. Moreover, river side slope has also been proposed for protection by laying precast cement concrete block on slopes supported by cement concrete toe wall at the toe, at different locations affected during passage of flood during 2021. The main component of the work comprises of Earthwork in excavation in the River bed / slope of bank, riverside protection works on both banks of river Damodar at several locations with boulder pitching, construction of saugages, Caulking joints, Supplying and laying UV stabilized polypropylene woven geotextile, Supplying and driving Jhaw/Eucalyptus bullah piles, Supplying and laying HDPE bags, Supplying and filling empty cement gunny bags, Earthwork in excavation for making embankments, Precast cement concrete blocks.

Date: 21/03/2023

  
 D. Sengupta  
 Chief Engineer & Project Director  
 WBMIFM Project  
 Irrigation & Waterways Directorate  
 Government of West Bengal