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Govt. of West Bengal
Irrigation & Waterways Dte.
Office of the Executive Engineer
West Midnapore Division
Medinipur, Paschim Medinipur
email id- eewmid2012@gmail.com

NIT NO- WBIW/EE/WMD/NIT-10 of 2017-18

Sl. No. 05

Schedule of Quantity, Unit, Rate and Amount for the work "Repairs to Bhudhar & Tebageria Sluice over TE1H1 embktt. of River New Cossye Mouza- Pikepari & Tebageria in Block & P.S.-Debra, under Khanamohan (I) Section of Lachmapur (I) Sub-Division under West Midnapur Division, Dist.- Paschim Medinipur".

Amount put to Tender :

₹ 3,77,899.00

Earnest Money :

₹ 7,558.00

Time allowed for Completion :

15 days

Sl. No.	Description of Items	No. or Quantity	Unit	Estimated Rate		Amount
				Figure	Word	
	Dismanting, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 metres.					
1	(a) Concrete	1	Cum	₹ 587.40	Rupees five hundred eighty seven and paise four zero only	₹ 587.00
	(b) Masonary other than concrete	2	Cum	₹ 366.90	Rupees three hundred sixty six and paise nine zero only	₹ 734.00
2	Brick work in superstructure (above PL and DBL) with 1st Class Brick in cement mortar, racking out joints and curing complete upto a height of 4 metres and including scaffolding supply and carriage of all materials to site. (b) Mortar mix 1:4	1.40	Cum	₹ 6,023.10	Rupees six thousand twenty three and paise one zero only	₹ 8,432.00
3	Cement concrete with or without reinforcement in foundation (below pavement level or designed bed level of canal) with 20 mm down well graded coarse aggregate including shuttering ,curing, supply and carriage of all materials to site.(excluding cost of reinrcement) (i) Stone metal-Pakur/ Nalhati/ Pachami trap variety. (a) Mix 1:2:4.	6.00	Cum	₹ 5,909.10	Rupees five thousand nine hundred nine and paise one zero only	₹ 35,455.00
4	19 mm thick cement and sand plastering including racking out joints and necessary scaffolding with supply and carriage of all materials to site and finishing surface including curing complete. (b) Mix 1:4.	63.11	Sqm	₹ 156.90	Rupees one hundred fifty six and paise nine zero only	₹ 9,902.00
5	Labour charge for taking out sluice gate draw shutters, screw gearing arrangement including gear rod & pedestal and placing / storing in position as per direction of Engineer-in-charge within a lead of 60 M from sluice position. (b) Area of shutter above 4.00 sqm and upto 7.00 sqm	18.65	Sqm	₹ 148.30	Rupees one hundred forty eight and three paise zero only	₹ 2,766.00
6	Labour charge for taking out sluice gate flap shutters and placing / storing in position as per direction of Engineer-in-charge within a lead of 60 M from sluice position (b) Area of shutter above 4.00 sqm and upto 7.00 sqm	17.55	Sqm	₹ 117.80	Rupees one hundred seventeen and paise eight zero only	₹ 2,067.00

Sl. No.	Description of Items	No. or Quantity	Unit	Estimated Rate		Amount
				Figure	Word	
7	Taking out old damaged rubber seal from M.S. shutter by removing M.S flats, cutting nuts and bolts and cleaning the surface for fixing rubber seal.	54.60	mtr	₹ 17.10	Rupees seventeen and paise one zero only	₹ 934.00
8	Labour charges for taking out (b) Gear rods of sluices by cutting / opening nuts & bolts from draw shutter.	1.00	Cum	₹ 156.30	Rupees one hundred fifty six and paise three	₹ 156.00
9	Supply of new M.S. gear rod at site having threaded length as per requirement as decided by the Engineer-in charge, including cost of threading, finishing, handling and transportation from workshop to site. (b) 65 mm Dia iv) 4.50 M long	1.00	Cum	₹ 8,757.00	Rupees eight thousand seven hundred fifty seven and paise only	₹ 8,757.00
10	Replacing G.M. bush excluding screw gearing arrangement by new G.M. bush, base plate, locking arrangement etc. and fitting the hanging arrangement for operating the draw shutter including taking out the old screw gearing arrangement and G.M. bush etc. complete as per direction of the Engineer-in-charge (b) 65 mm Dia	1.00	Each	₹ 6,076.50	Rupees six thousand seventy six and five zero paise only	₹ 6,077.00
11	Supplying and fitting fixing in position Cast Iron wheel (after taking out existing one if necessary) rim made of 28 mm to 36 mm dia to fit any size of gear rod including carriage to site and painting with a coat of bituminous paint over a coat of red oxide primer. (a) 60 cm Dia CI Wheel	1.00	Per set	₹ 2,046.00	Rupees two thousand forty six and paise only	₹ 2,046.00
12	Supplying of new draw / flap shutters made with MS flats, angles and channels as per drawing and direction of the Engineer-in- charge including fabricating at workshop and transportation to site complete but excluding cost of rubber seals.	1800.00	KG	₹ 70.00	Rupees seventy and paise only	₹ 1,26,000.00
13	Oiling and cleaning the regulator gate parts including guide channel, Top runner, Pedestal block, GM Bush, Gear rods, Wheel, Fish plate etc with sufficient lubricants as and when necessary as directed by the Engineer-in-charge including cost of all materials to site complete	5.00	Each set	₹ 160.30	Rupees one hundred sixty and paise three zero only	₹ 802.00
14	Supplying, fitting and fixing in position rubber seals for making water tight including M.S. flats, bolts and nuts and making holes in the shutter leaf for fixing the rubber seal in position including carriage of all materials to site. (a) Flat type	54.6	mtr	₹ 583.60	Rupees five hundred eighty three and paise six zero only	₹ 31,865.00
15	Removing paint and rust from the surface of iron work (Regulator gate, Steel Truss etc) by chipping, scraping and emery clothing preparing the surface to receive new coat of paint complete as per direction of Engineer - in - charge.	37.3	Sqm	₹ 24.10	Rupees twenty four and paise one zero only	₹ 899.00
16	Applying two coats of anti corrosive EPOXY paint (black) of approved make and brand to sluice gates only after preparing the surface by rough sand blasting including cost of materials, labours, machineries etc.	72.40	Sqm	₹ 288.80	Rupees two hundred eighty eight and paise eight zero only	₹ 20,909.00

Sl. No.	Description of Items	No. or Quantity	Unit	Estimated Rate		Amount
				Figure	Word	
17	Earthwork in excavation by any means from borrowpits, canals and channels in all kinds of soil for maintenance and repairs of embankments, canals, channels and roads as per profile within an initial lead of 30 metres and lift of 1.50 metre including breaking clods, rough dressing, including removal of jungles and trees upto 30 cm. girth in both cutting and filling zone etc. complete as per direction of Engineer-in-charge	1470.00	Cum	₹ 76.70	Rupees seventy six and paise seven zero only	₹ 1,12,749.00
18	Extra rate for earthwork in Item no. 1.01 to 1.04 above for each additional lift of 1.5 metres or part thereof beyond the initial lift of 1.5 metre	1470.00	Cum	₹ 4.60	Rupees four and paise six zero only	₹ 6,762.00
	Total Amount put to Tender in figure =					₹ 3,77,899.00
	Total Amount put to Tender in word :	Rupees three lakh seventy seven thousand eight hundred ninety nine only				


 Executive Engineer
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 Irrigation & Waterways Dte.
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Above / Less / At par than this Schedule Of Rates attached herewith.

(Signature of the Contractor)

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NIT NO- WBIW/EE/WMD/NIT-10 of 2017-18

Sl. No. 06

Schedule of Quantity, Unit, Rate and Amount for the work "Construction of Moorum Inspection Road from Ch. 1.180 Km. To Ch. 1.730Km. Of Dy-6s Canal within Debra Block of Paschim Medinipur under Lachmapore(I) Sub-Division of West Midnapore Division".

Amount put to Tender :

₹ 3,91,821.00

Earnest Money :

₹ 7,836.00

Time allowed for Completion :

30 days

Sl. No.	Description of Items	No. or Quantity	Unit	Estimated Rate		Amount
				Figure	Word	
1	Box cutting or filling in road or embankment in all sorts of soil including spreading the spoils properly over the flank as necessary or on berm to approximate grade & camber and rolling the sub-grade with hand roller to proper camber and grade including uprooting and removing plants and jungles when and where necessary.	1287.50	Sqm	₹ 19.55	Rupees nineteen point and paise five five only	₹ 25,171.00
2	Supplying of materials to site including cost of loading, carriage upto 20 km, unloading and stacking (inclusive of all taxes) as per direction of the Engineer-in-charge.					
	(b) Jhama bats	135.00	Cum	₹ 1,500.00	Rupees one thousand five hundred and paise zero only	₹ 2,02,500.00
2.01	(g) Moorum	137.33	Cum	₹ 540.00	Rupees five hundred forty and paise four zero only	₹ 74,158.00
3	Labour for spreading and consolidating jhama metal/ 1st class Brick bats / laterite chelly of specific size to requisite thickness in layers including spreading with kiln rubbish, hand packing, watering and compacting with Power roller true to line and camber including carriage, cost of all materials (except jhama khoa) and hire charges of all equipments as per direction of the Engineer- in - Charge. (measurement to be made on finished work) Compaction factor 0.67 Brick Bats	90.45	Cum	₹ 131.70	Rupees one hundred thirty one and paise seven zero only	₹ 11,912.00
4	Labour for spreading moorum to proper level including hand packing and consolidation by hand roller / power roller of specified thickness in layer after watering etc. complete with necessary earthen soulder as per direction of the Engineer- in - Charge. (measurement to be made on finished work) Compaction factor 0.75	103.00	Cum	₹ 86.10	Rupees eighty six and paise one zero only	₹ 8,868.00
5	Extra rate over carriage of sand, moorum, boulder, stone metal, stone chips, gravel, slag metal, shingle and similar materials moorum (a) For a distance above 20 km and up to 50 km (per km). Qty vide Item no- 6.2	137.33	Cum	₹ 285.00	Rupees two hundred eighty five and paise zero only	₹ 39,139.00
5.1	(b) For a distance above 50 km and up to 100 km (per km). Qty vide Item no- 6.2	137.33	Cum	₹ 50.40	Rupees fifty and paise four zero only	₹ 6,921.00

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Sl. No.	Description of Items	No. or Quantity	Unit	Estimated Rate		Amount
				Figure	Word	
6	Earthwork in excavation by any means from borrowpits, canals and channels in all kinds of soil for maintenance and repairs of embankments, canals, channels and roads as per profile within an initial lead of 30 metres and lift of 1.50 metre including breaking clods, rough dressing, including removal of jungles and trees upto 30 cm. girth in both cutting and filling zone etc. complete as per direction of Engineer-in-charge.	154.50	Cum	₹ 76.70	Rupees seventy six and paise seven zero only	₹ 11,850.00
7	Supplying fitting and fixing R.C. guard post 1.37m long with C.C. 1:2:4 with graded stone chips of 13.2mm down casting, curing complete including cost of providing 4nos. of 12mm dia. rod of length 1.54m as main reinforcement and 6 nos. of round shaped 8mm dia rods used as binders; the placing of the first binder should be at 75mm below the top finished surface and the other 5 nos of binders should be placed at 245mm c/c; the guard post is of octagonal section with inscribed circle of dia 24cm at the base tapering to corresponding dimensions of 16cm at the top including two coats of painting with best quality synthetic enamel paint of approved make and grade to form 6 nos. horizontal alternate bands in white/tannery yellow and black to 90 cm length standing up above ground after mending good damages if any during striking off shuttering, making hole in ground of 47cm depth and 30cm. minimum dia, fixing the guard posts in the same holes and repacking the earth properly so as to keep the guard posts standing properly erect in correct position true to line and length including carriage of R. C. Guard Post with due care to the site including loading into the truck and unloading at site complete in all respect. With Pakur variety stone chips	15.00	Each	₹ 753.46	Rupees seven hundred fifty three and paise four six only	₹ 11,302.00
	Total Amount put to Tender in figure =					₹ 3,91,821.00
	Total Amount put to Tender in word :	Rupees three lakh ninety one thousand eight hundred twenty one only				


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NIT NO- WBIW/EE/WMD/NIT-10 of 2017-18

Sl. No. 07

Schedule of Quantity, Unit, Rate and Amount for the work "Emergent repairs to raincuts, Varritical, slip, mending damages from Ch.-31.00 Km. to 31.500 Km. of TE1H1 embankment of R/B of River New Cossye in P.S.- Debra under Khanamohan (I) Section of Lachmapore (I) Sub-Division under West Midnapore Division."

Amount put to Tender :

₹ 3,94,482.00

Earnest Money :

₹ 7,890.00

Time allowed for Completion :

15 days

Sl. No.	Description of Items	No. or Quantity	Unit	Estimated Rate		Amount
				Figure	Word	
1	Earthwork in excavation by any means from borrowpits, canals and channels in all kinds of soil for maintenance and repairs of embankments, canals, channels and roads as per profile within an initial lead of 30 metres and lift of 1.50 metre including breaking clods, rough dressing, including removal of jungles and trees upto 30 cm. girth in both cutting and filling zone etc. complete as per direction of Engineer-in-charge.	906.00	cum	₹ 76.70	Rupees seventy six point and paise seven zero only	₹ 69,490.00
2	Extra rate for earthwork in Item no. 1.01 to 1.04 above for each additional lead of 30 metres or part there of beyond the initial lead of 30 metre. 6 (six) extra lead.	680.00	cum	₹ 46.20	Rupees forty six point and paise two zero only	₹ 31,416.00
3	Extra rate for earthwork in Item no. 1.01 to 1.04 above for each additional lift of 1.5 metres or part thereof beyond the initial lift of 1.5 metre. 1 (One) extra lift.	362.00	cum	₹ 4.60	Rupees four point and paise six zero only	₹ 1,666.00
	2 (two) extra lift. 40% of item no-1	362.00	cum	₹ 9.20	Rupees four point and paise six zero only	₹ 3,330.00
4	Supplying of materials to site including cost of loading, carriage upto 20 km, unloading and stacking (inclusive of all taxes) as per direction of the Engineer-in-charge. h Jhama Bats	57.00	cum	₹ 1,500.00	Rupees one thousands five hundred and paise zero zero only	₹ 85,500.00
	(g) Moorum	200.00	cum	₹ 540.00	Rupees five hundred forty and paise zero zero only	₹ 1,08,000.00
5	Extra rate over carriage of sand, moorum, boulder, stone metal, stone chips, gravel, slag metal, shingle and similar materials (a) For a distance above 20 km and up to 50 km (per km) = 30 Km. extra lead.	200.00	cum	₹ 285.00	Rupees two hundred eighty five and paise zero zero only	₹ 57,000.00
	b) For a distance above 50 km. & upto 100km. 12 km. extra lead	200.00	cum	₹ 100.80	Rupees two hundred eighty five and paise zero zero only	₹ 20,160.00

Sl. No.	Description of Items	No. or Quantity	Unit	Estimated Rate		Amount
				Figure	Word	
6	Labour for spreading and consolidating jhama metal/ 1st class Brick bats / laterite chelly of specific size to requisite thickness in layers including spreading with kiln rubbish, hand packing, watering and compacting with Power roller true to line and camber including carriage, cost of all materials (except jhama khoa) and hire charges of all equipments as per direction of the Engineer- in - Charge. (measurement to be made on finished work) Compaction factor 0.67.	38.00	cum	₹ 131.70	Rupees eighty six and paise one zero only	₹ 5,005.00
7	Labour for spreading moorum to proper level including hand packing and consolidation by hand roller / power roller of specified thickness in layer after watering etc. complete with necessary earthen soulder as per direction of the Engineer- in - Charge. (measurement to be made on finished work) Compaction factor 0.75	150.00	cum	₹ 86.10	Rupees two hundred eighty five and paise zero only	₹ 12,915.00
Total Amount put to Tender in figure =						₹ 3,94,482.00
Total Amount put to Tender in word :		Rupees three lakh ninety four thousands four hundred eighty two only				


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Sl. No. 08

Schedule of Quantity, Unit, Rate and Amount for the work "Country side backing from Ch-1.70 Km to 1.75 Km. & repairs to existing boulder pitching at R/S of TE2H2 embkkt. R/B of river Old Cossye in Block-Debra, P.S.-Debra under West Midnapore Division in the Dist. of Paschim Medinipur."

Amount put to Tender :

₹ 2,55,275.00

Earnest Money :

₹ 5,106.00

Time allowed for Completion :

15 days

Sl. No.	Description of Items	No. or Quantity	Unit	Estimated Rate		Amount
				Figure	Word	
1	Supplying Eucalyptus bullah at site including sizing and sharpening one end and dressing the other end for driving (bigger diametere above specified size if supplied shall be paid at the rate of specified diameter). Measurement of diametere of bullah will be at 1/3rd from the thicker end and without bark) including loading, unloading, carraige at site complete.	255.00	Mtr.	₹ 185.60	Rupees one hundred eighty five point and paise six zero only	₹ 47,328.00
2	Labour for driving Eucalyptus bullah piles by monkey in all sorts of soil including sharpening driving point, protection to top end including hire charges for staging and all equipments. NB:- Payment to be made for the length actually driven below ground. (i) Where boats are not necessary. (a) 10cm to 15 cm Av. Diametre	204.00	Mtr.	₹ 65.90	Rupees sixty five point and paise nine zero only	₹ 13,444.00
3	Supplying and fitting fixing with iron nails, half split Eucalyptus Bullah wailing pieces and cross pieces with the thicker end as specified below with cost of all materials and carriage to site etc. complete. (b) Above 12.50 cm & up to 15.00 cm.	100.00	Mtr.	₹ 73.80	Rupees seventy three point and paise eight zero only	₹ 7,380.00
4	Supplying, dressing and stacking at site bamboo pins (diametre to be measured at mid length) (a) Above 5 cm to 7.50 cm diametre.	375.00	Mtr.	₹ 23.60	Rupees twenty three point and paise six zero only	₹ 8,850.00
5	Driving bamboo pins of average 5 cm to 7.5 cm diametre (payment will be made for driven length only) (i) Where boats are not necessary	125.00	Mtr.	₹ 6.30	Rupees six and paise three zero only	₹ 788.00
6	Fitting, fixing bitumen drum sheet to bullah piling and wailing pieces including cutting straightening drum sheet fixing with country nails and bolts including supply of drum sheet fixture all complete as per direction of the Engineer - in - Charge.	50.00	Sqm	₹ 305.90	Rupees three hunderd five and paise nine zero only	₹ 15,295.00

20

Sl. No.	Description of Items	No. or Quantity	Unit	Estimated Rate		Amount
				Figure	Word	
7	Earthwork in excavation by any means from borrowpits, canals and channels in all kinds of soil for maintenance and repairs of embankments, canals, channels and roads as per profile within an initial lead of 30 metres and lift of 1.50 metre including breaking clods, rough dressing, including removal of jungles and trees upto 30 cm. girth in both cutting and filling zone etc. complete as per direction of Engineer-in-charge	1416.80	Cum	₹ 76.70	Rupees seventy six and paise seven zero only	₹ 1,08,669.00
8	Extra rate for earthwork in Item no. 1.01 to 1.04 above for each additional lead of 30 metres or part there of beyond the initial lead of 30 metre. 6(six) extra lead	634.00	Cum	₹ 46.20	Rupees forty six and paise two zero only	₹ 29,291.00
9	Extra rate for earthwork in Item no. 1.01 to 1.04 above for each additional lift of 1.5 metres or part thereof beyond the initial lift of 1.5 metre. 1(one) lead	634.00	Cum	₹ 4.50	Rupees four and paise five zero only	₹ 2,853.00
10	Uprooting, clearing and cleaning all types of thick and thorny jungles, including trees upto 30 cm girth with stumps and removing them beyond working zone and burning to ashes as per direction of the Engineer-in-charge	1200.00	Sqm	₹ 7.70	Rupees seven and paise seven zero only	₹ 9,240.00
11	Relaying displaced boulder pitching including dressing, preparing bed with necessary earthwork upto 30 cm depth complete with cost of collection within 30 metres lead	11.00	Cum	₹ 137.30	Rupees one hundred thirty seven and paise three zero only	₹ 1,510.00
12	Making filter with well graded 40 mm down ballasts and laying uniformly behind weep holes, below pitching on bed, side slopes including supply and carriage of all materials to site including preparing bed with earthwork up to 30 cm depth, where necessary and compacting as per direction of the (measurements will be on finished work.) (b) 1st class brick ballast	7.00	Sqm	₹ 1,518.10	Rupees one thousand five hundred eighteen and paise one zero only	₹ 10,627.00
Total Amount put to Tender in figure =						₹ 2,55,275.00
Total Amount put to Tender in word :		Rupees two lakh fifty five thousands two hundred seventy five only				


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