

**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 09 of 2016-17****Sl. No. 4**

Schedule of Quantity, Unit, Rate and Amount for the work, " Emergent repair to the Type IIIC/1 & Typelll-C/6 qrts at Sekhpura Irrigation Campus in Anicut (Hd.Qrts.) Section under Lachmapur (I) Sub-Division of West Midnapore Division during 2016 - 2017"

**Amount put to Tender :****₹ 2,67,430.00****Earnest Money :****₹ 5,349.00****Time allowed for Completion :****30 days**

Sl. No.	Description of Items	No. or Quantity	Unit	Estimated Rate		Amount
				Figure	Word	
1	Dismantling all types of plain cement concrete works, stacking serviceable materials at site and rereoving rubbish as directed within a lead of 75 m In ground floor including roof. (a) upto 150 mm. thick	0.50	Cum	₹ 949.00	Rupees nine hundred forty nine and paise zero only	₹ 475.00
	Second floor (read with Item no. 2c of page no. 8)	0.08	Cum	₹ 1,049.00	Rupees one thousand forty nine and paise zero only	₹ 84.00
2	Dismantling all types of masonry excepting cement concrete plain of reinforced, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m. a) In ground floor including roof.	1.00	Cum	₹ 451.00	Rupees four hundred fifty one and paise zero only	₹ 451.00
	Second floor (read with Item no. 1b of page no. 8)	1.00	Cum	₹ 551.00	Rupees five hundred fifty one and paise zero only	₹ 551.00
3	Dismantling artificial stone flooring upto 50 mm. thick by carefully chiselling without damaging the base and removing rubbish as directed within a lead of 75 m. In ground floor including roof.	4	Sqm	₹ 50.00	Rupees fifty and paise zero only	₹ 185.00
	Second floor (read with Item no. 6b of page no. 9)	3	Sqm	₹ 62.00	Rupees sixty two and paise zero only	₹ 180.00
4	125 mm. thick brick work with 1st class bricks in cement mortar (4:1) in ground floor.	0.32	Sqm	₹ 759.00	Rupees seven hundred fifty nine and paise zero only	₹ 243.00
	Second floor (read with Item no. 42(i)a of page no. 34)	0.32	Sqm	₹ 783.00	Rupees seven hundred eighty three and paise zero only	₹ 251.00
5	Stripping off worn out plaster and raking out joints of walls, celings etc. upto any height and in any floor including removing rubbish and stacking anywhere within the compound as directed.	125	Sqm	₹ 19.00	Rupees nineteen and paise zero only	₹ 2,375.00

Sl. No.	Description of Items	No. or Quantity	Unit	Estimated Rate		Amount
				Figure	Word	
6	Artificial stone in floor, dado, staircase etc. with cement concrete (4:2:1) with stone chips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (2:1) including smooth finishing and rounding off corners and including application of cement slurry before flooring works, using cement @1.75 kg./sq.m. all complete including all materials and labour. In ground floor. 3 mm. thick topping (High polishing grinding on this item is not permitted) with ordinary cement. Using grey cement. (iii) 35 mm. thick	3.7	Sqm	₹ 369.00	Rupees three hundred sixty nine and paise zero only	₹ 1,365.00
7	Cleaning the exposed reinforcement preferably upto full diameter by wire brush and applying two coats of polymer based rust removing compound left for 24 hours, removing the coating and then applying two coats of polymer modified anti corrosive protective coating formulated to inhibit the corrosion of reinforcement as per manufacturer's specification.	1.7	Sqm	₹ 915.00	Rupees nine hundred fifteen and paise zero only	₹ 1,556.00
8	Cleaning the concrete surface by removing dirt and debris, marking defective locations and removing loose concrete by careful stripping untill hard surface is exposed, cutting the concrete to regular shape, wire brushing the exposed surface and removing debris from site complete as per direction of the Engineer - in - Charge	16.00	Sqm	₹ 96.00	Rupees ninety six and paise zero only	₹ 1,536.00
9	Applying epoxy based reactive joining agent for joining the old concrete with fresh concrete to be applied within manufacturer's specified time as per manufacturers specification. (0.4 Kg / m <sup>2</sup> of concrete surface).	16.00	Sqm	₹ 356.00	Rupees three hundred fifty six and paise zero only	₹ 5,696.00
10	Ordinary Cement Concrete M-15 [ Mix 4 : 2 : 1 ] with graded stone chips (20 mm.size) excluding shuttering and reinforcement, if any, in ground floor. As per IS 456-2000 a) Pakur / Chandil Variety					
	Ground floor	0.50	Cum	₹ 6,058.16	Rupees six thousand fifty eight and paise one six only	₹ 3,029.00
	Second floor (read with Item no. 11(i) of page no. 26)	0.23	Cum	₹ 6,250.16	Rupees six thousand twenty five and paise one six only	₹ 1,438.00
11	Cement concrete (3:1.5:1) 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 scraping and cleaning the reinforcement and disturbed concrete with wire brush etc. after applying a coat of cement excluding the cost of wire netting, I.R.C. or X.P.M. but including cost of all handling and scaffolding complete as per direction of Engineer-in charge. b) 25 mm thick.	16.00	Sqm	₹ 584.00	Rupees five hundred eighty four and paise zero only	₹ 9,344.00



Sl. No.	Description of Items	No. or Quantity	Unit	Estimated Rate		Amount
				Figure	Word	
12	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface, including throating, nosing and drip course where necessary (ground floor) (ii) With 4:1 cement mortar					
	<b>(a) 20 mm. thick plaster</b>					
	Ground floor	55.00	Sqm	₹ 191.00	Rupees one hundredninety one and paise zero only	₹ 10,505.00
	Second floor (read with Item no. 5(ii)a of page no. 166)	55.00	Sqm	₹ 199.00	Rupees one hundred ninety nine and paise zero only	₹ 10,945.00
	<b>(c) 10 mm. thick plaster</b>					
	Ground floor	7.65	Sqm	₹ 132.00	Rupees one hundred thirty two and paise zero only	₹ 1,010.00
	Second floor (read with Item no. 5(ii)a of page no. 166)	8.50	Sqm	₹ 140.00	Rupees one hundred forty and paise zero only	₹ 1,190.00
13	Extra rate for using water proofing and plasticising admixture @ 0.2% by weight of cement (or at manufacturer's specified rate ). for Concrete of various grades.	2.50	Kg	₹ 139.00	Rupees one hundred thirty nine and paise zero only	₹ 348.00
14	Neat cement punning about 1.5 mm. thick in wall, skirting for closing portion of doordado, window, sills, floor, drain etc.	25.00	Kg	₹ 38.00	Rupees thirty eight and paise zero only	₹ 950.00
15	Dismantling Indian W.C. including taking out base concrete as necessary,	2.00	Each	₹ 45.00	Rupees forty five and paise zero only	₹ 90.00
16	Filling in foundation or plinth by silver sand in layers not exceeding 150 mm. as directed and consolidating same by thorough saturation with water ramming complete, including the cost of supply of sand. (Payment to be made on measurement of finished quantity) (b) Do - by fine sand	0.10	%cum	₹ 53,306.00	Rupees fifty three thousand three hundred six and paise zero only	₹ 53.00
17	Supplying, fitting and fixing E.W.C. in white glazed vitreous chinaware of approved make complete in position with necessary bolts,nuts etc. (a) With 'P' trap	2.00	Each	₹ 1,776.00	Rupees one thousand seven hundred seventy six and paise zero only	₹ 3,552.00
18	Supplying, fitting and fixing Closet seat of approved make with lid and C.P. hinges, rubber buffer and brass screws supplied, fitted and fixed complete. (a) E.W.C. (ii) Plastic (hallow type) white	2.00	Each	₹ 446.00	Rupees four hundred forty six and paise zero only	₹ 892.00
19	Supplying, fitting & fixing 1st quality Ceramic tiles in walls and floors to match with the existing work & 4 nos. of key stones (10mm) fixed with araldite at the back of each tile & finishing the joints with white cement mixed with colouring oxide of required to match colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive & grout materials etc.					

Sl. No.	Description of Items	No. or Quantity	Unit	Estimated Rate		Amount
				Figure	Word	
19.1	[A] Floor :-With Sand Cement Morter (1:4) 20 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 kg/Sq.m & joint filling using white cement slurry @ 0.20 kg/Sq.m.(b) Area of each tile above 0.09 sq.m. [using adhesive 3mm th.] i) Coloured decorative	8.00	Sqm	₹ 1,025.00	Rupees one thousand twenty five and paise zero only	₹ 8,200.00
19.2	[B] Wall :-With Sand Cement Morter (1:4) 20 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 kg/Sq.m & joint filling using white cement slurry @ 0.20 kg/Sq.m. (a) Area of each tile upto 0.09 sq.m.[using adhesive 3mm th.] iii) Coloured decorative	38.00	Sqm	₹ 840.00	Rupees eight hundred forty and paise zero only	₹ 31,920.00
20	Supplying, fitting and fixing 10 litre P.V.C. low-down cistern conforming to I.S. specification with P.V.C. fittings complete,C.I. brackets including two coats of painting to bracket etc.	2.00	Each	₹ 1,181.00	Rupees one thousand one hundred eighty one and paise zero only	₹ 2,362.00
21	Supplying fitting and fixing PVC pipes of approved make of (medium duty) conforming to ASTM D - 1785 & Threaded to match with GI pipes as per IS : 1239 (Part - I). With all necessary accessories, specials viz socket, bend, tee, union, cross, elbo, nipple, long screw, R/socket, R/tee, short piece etc. fitted with holder bats clamp, including cutting pipes, making threads, fitting fixing etc. complete in all respect including cost of all necessary fittings as required jointing materials and two coats of painting with approved paint in any position above ground. (Payment will be made on centre line measurement of the total pipeline including all specials.No separate payment will be made for accesories, specials. Payment for painting will be made seperately)) (a) For exposed Work . PVC pipes 15 mm	28.00	M	₹ 106.00	Rupees one hundred six and paise zero only	₹ 2,968.00
22	Supplying, fitting and fixing shower rose of approved brand and make. (g) PTMT overhead shower (Prayag or equivalent) (i) 75 mm round	2.00	Each	₹ 208.00	Rupees two hundred eight and paise zero only	₹ 416.00
23	Supplying,fitting and fixing approved brand P.V.C.CONNECTOR white flexible, with both ends coupling with heavy brass C.P. nut, 15 mm dia. (ii) 600 mm long	4.00	Each	₹ 126.00	Rupees one hundred twenty six and paise zero only	₹ 504.00
24	Supplying, fitting and fixing bib cock or stop cock.(e) PTMT (Polytetra Bib Cock / Stop Cock ( Prayag or equivalent) 15 mm	16.00	Each	₹ 177.00	Rupees one hundred seventy seven and paise zero only	₹ 2,832.00
25	Supplying,fitting and fixing PTMT smart shelf of approved make of size 300 mm.	2.00	Each	₹ 285.00	Rupees two hundred eighty five and paise zero only	₹ 570.00
26	Supplying, fitting and fixing towel rail with two brackets. (a) C.P. over brass (i) 25 mm dia. and 450 mm long	2.00	Each	₹ 494.00	Rupees four hundred ninety four and paise zero only	₹ 988.00
27	Supplying, fitting and fixing soap holder. (a) PTMT (Prayag or equivalent)	2.00	Each	₹ 171.00	Rupees one hundred seventy one and paise zero only	₹ 342.00




Sl. No.	Description of Items	No. or Quantity	Unit	Estimated Rate		Amount
				Figure	Word	
28	Supplying, fitting and fixing stainless steel sink complete with waste fittings and two coats of painting of C.I. brackets. (a) Sink only (ii) 630 mm X 550 mm X 180 mm	2.00	Each	₹ 4,798.00	Rupees four thousand seven hundred ninety eight and paise zero only	₹ 9,596.00
29	Supply of UPVC pipes (B Type) & fittings conforming to IS - 13592 - 1992 (Dia.)					
29.1	A (iii) Single Socketed - 1.80 m length 110 mm	10.00	M	₹ 350.00	Rupees three hundred fifty and paise zero only	₹ 3,500.00
29.2	A(f) Single Socketed - 3.00 m length 110 mm	12.00	M	₹ 348.00	Rupees three hundred forty eight and paise zero only	₹ 4,176.00
29.3	C)iii Door Tee 110 mm	2.00	Each	₹ 233.00	Rupees two hundred thirty three and paise zero only	₹ 466.00
29.4	B)xi Door Bend (T.S) b)110 mm	2.00	Each	₹ 176.00	Rupees one hundred seventy six and paise zero only	₹ 352.00
29.5	B)xv Vent cowl (b) 110 mm.	2.00	Each	₹ 39.00	Rupees thirty nine and paise zero only	₹ 78.00
29.6	B)xvi Pipe Clip (b) 110 mm.	20.00	Each	₹ 25.00	Rupees twenty five and paise zero only	₹ 500.00
29.7	Li)Nahani Trap 90 mm	2.00	Each	₹ 125.00	Rupees one hundred twenty five and paise zero only	₹ 250.00
30	Iron butt hinges of approved quality fitted and fixed with steel screws with ISI Mark (v) 75mm x 60mm x 3.15mm	26.00	Each	₹ 54.00	Rupees fifty four and paise zero only	₹ 1,404.00
31	Easing door and windows.	20.00	Each	₹ 17.00	Rupees seventeen and paise zero only	₹ 340.00
32	Supplying, fitting and fixing M.S. clamp for fixing door and window frame made of flat bent bar, end bifurcated, fixed in cement concrete with stone chips (4:2:1) fitted and fixed complete as per direction. (a) 40mm. X 6mm, 250mm. Length.	4.00	Each	₹ 33.00	Rupees thirty three and paise zero only	₹ 132.00
33	Labour for taking out door and window frame with or without horns and including shutter for repair replacement of different parts of the frame and refixing the same including mending good all damaes complete. (a) Upto area 2.5 Sq.m	1.40	Sqm	₹ 121.00	Rupees one hundred twenty one and paise zero only	₹ 169.00
34	Taking out shutter of door and window, dismantling by parts (for repair or replacement of damaged parts), reassembling and refitting and rehangng same with old fittings but with new screws as necessary.	12.10	Sqm	₹ 128.00	Rupees one hundred twenty eight and paise zero only	₹ 1,549.00
35	Wood work in door and window frame fitted and fixed complete icluding a protective coat of painting at the contact surface of the frame excluding cost of concrete, Iron butt Hinges amd M.S.clamp. (h) Neem, lam, Jackfruits.	0.036	Cum	₹ 59,914.00	Rupees fifty nine thousand nine hundred fourteen and paise zero only	₹ 2,157.00

Sl. No.	Description of Items	No. or Quantity	Unit	Estimated Rate		Amount
				Figure	Word	
36	Styles and rails of wooden shutters fitted and complete (Payment to be made on area of new work only). In Ground floor. (ii) 35mm. Thick shutter. (b) Sisu, Gamari, Champ, Badam, Bhola, Mogra, Hallak.	1.05	Sqm	₹ 2,433.00	Rupees two thousand four hundred thirty three and paise zero only	₹ 2,555.00
37	Panel shutters of door and window, as per design (each panel consisting of single plank without joint), including fitting and fixing the same in position but excluding the cost of hinge and other fittings. In ground floor.(iii) 35mm. Thick shutters with 19mm. Thick panel. (b) Sisu, Gamari, Champ, Badam, Bhola, Mogra, Hallak.	3.20	Sqm	₹ 3,144.00	Rupees three thousand one hundred forty four and paise zero only	₹ 10,061.00
38	Shutters of 2/3rd panel and 1/3rd glazed of doors and windows as per design (each panel consisting of a single plank without joint and with ordinary glass of 7.4kg. Per sq.m./3mm thick) fitted with putty bed and teak wood beads and nails including fitting and fixing shutters in position but excluding the cost of hinges and other fittings in ground floor. (iii) 35mm thick shutters with 19mm thick panel. (b) Sisu, Gamari, Champ, Badam, Bhola, Mogra, Hallak.	3.80	Sqm	₹ 3,381.00	Rupees three thousand three hundred eighty one and paise zero only	₹ 12,848.00
39	Supplying, fitting and fixing hinge cleat in position excluding the cost hinge and other fittings. a) with 50 mm iron Butt-hinge. (iii) Sal : Local.	10.00	Each	₹ 32.00	Rupees thirty two and paise zero only	₹ 320.00
40	Iron socket bolt of approved quality fitted and fixed complete.					
	(c) 150mm long x 10mm dia bolt.	10.00	Each	₹ 71.00	Rupees seventy one and paise zero only	₹ 710.00
	(d) 225mm long x 10mm dia bolt.	6.00	Each	₹ 87.00	Rupees eighty seven and paise zero only	₹ 522.00
41	Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting. (c) 300mm long.	4.00	Each	₹ 193.00	Rupees one hundred ninety three and paise zero only	₹ 772.00
42	Renewing 125mm long wooden buffer block ii) With Sal : Malayasian	10.00	Each	₹ 57.00	Rupees fifty seven and paise zero only	₹ 570.00
43	Removing old scales, blisters etc. of interior surface of walls, ceiling by scraping etc. and preparing smooth and even surface with rendering or cement mortar (2:1) (as necessary), to make the surface suitable for receiving distemper. (Payment against this item will be made only when this has been done on the specific direction of the Engineer-in-charge).	542.00	%Sqm	₹ 1,039.00	Rupees one thousand thirty nine and paise zero only	₹ 5,631.00
44	Applying Interior grade Acrylic Primer of approved quality and brand on plastered or concrete surface old or new surface to receive Distemper/ Acrylic 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)(a) One Coat i) Water based interior grade Acrylic Primer	542.00	%Sqm	₹ 3,333.00	Rupees three thousand three hundred thirty three and paise zero only	₹ 18,065.00



Sl. No.	Description of Items	No. or Quantity	Unit	Estimated Rate		Amount
				Figure	Word	
45	Acrylic distemper to interior wall, ceiling with a coat of solvent based interior grade acrylic primer (as per manufacture's specification) including cleaning and smoothing surface.	501.00	Sqm	₹ 76.00	Rupees seventy six and paise zero only	₹ 38,076.00
46	Priming one coat on timber, plastered surface with synthetic oil bound primer of approved quality including smooth ening surfaces by sand papering etc.	21.00	Sqm	₹ 41.00	Rupees forty one and paise zero only	₹ 861.00
47	Priming one coat on steel or other metal surface with synthetic oil bound primer of approved quality including smooth ening surfaces by sand papering etc.	84.00	Sqm	₹ 31.00	Rupees thirty one and paise zero only	₹ 2,604.00
48	Painting with best quality synthetic enamel paint of approved make and brand including smoothing surface by sand papering etc. including using of approved putty etc. on the surface, if necessary :					
48.1	(a) On timber or plastered surface : With other than hi-gloss of approved quality (iv) two coats (with any shade except white)	267.00	Sqm	₹ 80.00	Rupees eighty and paise zero only	₹ 21,360.00
48.2	(b) On steel or other metal surface : With other than hi-gloss of approved quality (iv) two coats (with any shade except white)	84.00	Sqm	₹ 77.00	Rupees seventy seven and paise zero only	₹ 6,468.00
49	Methor mazdoor	6.00	Each	₹ 296.00	Rupees two hundred ninety six and paise zero only	₹ 1,776.00
50	18 mm. to 22 mm. thick, kota stone slab set in 20 mm thick (avg.) cement mortar (4:1) in floor, stair & lobby including pointing in cement slurry with admixture of pigment matching the stone shade, including grinding & polishing as per direction of Engineer - in - charge to match with the existing work. [Slueey forbedding @ 4.4 kg/Sq.m and pointing @ 2.0 kg/Sq.m]	1.80	Sqm	₹ 1,135.00	Rupees one thousand one hundred thirty five and paise zero only	₹ 2,043.00
51	Labour for fitting and fixing U.P.V.C. pipes for above ground work including cost of jointing materials etc. fitting and fixing all necessary specials, cutting pipes, cutting holes in walls or R.C. floor where necessary and mending good all damages excluding the cost of masonry or concrete work, if necessary, but including the cost and fitting and fixing holder bat clamps(any floor) or for underground work including cutting trenches upto 1.5 metre and refilling the same complete as per direction of the Engineer-in-charge. (Payment will be made on centre line measurement of the total pipe line including specials.) (A) Under Ground (iv) 110 mm dia	30	M	₹ 57.00	Rupees fifty seven and paise zero only	₹ 1,710.00
52	Dismantling & Refixing pit cover.	6	Each	₹ 35.00	Rupees thirty five and paise zero only	₹ 210.00
53	Cleaning silt of master trap pit.	2	Each	₹ 1,164.00	Rupees one thousand one hundred sixty four and paise zero only	₹ 2,328.00

Sl. No.	Description of Items	No. or Quantity	Unit	Estimated Rate		Amount
				Figure	Word	
54	Cleaning silt of inspection pit.	4	Each	₹ 155.00	Rupees one hundred fifty five and paise zero only	₹ 620.00
55	Supplying, fitting and fixing in position R.C.C. Manhole/pit cover of approved make with rim of approved make (Heavy type) (l) 450 mm dia.	10	Each	₹ 303.00	Rupees three hundred three and paise zero only	₹ 3,030.00
56	Removing chokage of H.C.L or S.W. pipe with split bamboo. (b) Over ground	25	M	₹ 9.00	Rupees nine and paise zero only	₹ 225.00
Total Amount put to Tender in figure =						₹ 2,67,430.00
Total Amount put to Tender in word :		Rupees two lakh sixty seven thousand four hundred and thirty only				

  
 Executive Engineer  
 West Midnapore Division  
 Irrigation & Waterways Dte.  
 Paschim Medinipur

22/09/16

I / We do hereby agree to do the above work @.....

Above / Less / At par than this Schedule Of Rates attached herewith.

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(Signature of the Contractor)