

Schedule of Quantity**Name of Work :- Repair and Renovation of Grainage building with proper water supply of CSB, P2, BSF, Karnasbarna, Murshidabad**

SLNo	Description	Quantity	Unit	Rate	Amount	DSR No.
1	WOOD AND P. V. C. WORK					9
1.1	Providing and fixing to existing door frames.					9.122
1.1.1	30 mm thick Glass Fibre Reinforced Plastic (FRP) panelled door shutter of required colour and approved brand and manufacture, made with fire - retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5 mm thick FRP laminate for panels conforming to IS: 14856, including fixing to frames.	2.5	sqm	3720.75	₹ 9,302.00	9.122.1
2	STEEL WORK					10
2.1	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.	21	sqm	11439.60	₹ 240,232.00	10.3
3	ROOFING					12
3.1	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.					12.41
3.1.1	110 mm diameter	20	metre	377.40	₹ 7,548.00	12.41.2
3.2	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS :5382, leaving 10 mm gap for thermal expansion.					12.42
3.2.1	Bend 87.5°					12.42.5
3.2.1.1	110 mm bend	5	each	150.35	₹ 752.00	12.42.5.2
3.2.2	Shoe (Plain)					12.42.6
3.2.2.1	110 mm Shoe	5	each	131.85	₹ 659.00	12.42.6.2
4	FINISHING					13
4.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :					13.61
4.1.1	Two or more coats on new work	70	sqm	155.90	₹ 10,913.00	13.61.1
4.2	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.					13.83
4.2.1	Two coats	860	sqm	142.80	₹ 122,808.00	13.83.2
4.3	Finishing walls with Acrylic Smooth exterior paint of required shade:					13.111
4.3.1	Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	480	sqm	120.75	₹ 57,960.00	13.111.1
5	REPAIRS TO BUILDING					14
5.1	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.					14.1
5.1.1	With cement mortar 1:4 (1 cement : 4 fine sand)	35	sqm	547.40	₹ 19,159.00	14.1.1
6	Dismantling and Demolishing					15
6.1	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :					15.12
6.1.1	Of area 3 sq. metres and below	10	each	367.20	₹ 3,672.00	15.12.1

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6.2	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	7	cum	263.95	₹ 1,848.00	15.6
7	SANITARY INSTALLATIONS					17
7.1	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :					17.2
7.1.1	W.C. pan with ISI marked white solid plastic seat and lid	1	each	6515.55	₹ 6,516.00	17.2.1
7.2	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:					17.7
7.2.1	White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps	1	each	2301.75	₹ 2,302.00	17.7.3
7.3	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :					17.32
7.3.1	Rectangular shape 453x357 mm	1	each	1361.80	₹ 1,362.00	17.32.2
7.4	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour.					17.69
7.4.1	Waste coupling 31 mm dia of 79 mm length and 62 mm breadth weighing not less than 45 gms	1	each	115.30	₹ 115.00	17.69.1
7.5	Providing and fixing M.S. holder bat clamp of approved design to sand cast iron/ cast iron (spun) pipes comprising of M.S. flat brackets made of 50x5 mm flat of specified shape, projecting 75 mm outside the wall surface and fixed on wall with 4nos, 6 mm dia expansion hold fasteners, including drilling necessary holes in brick wall/ CC/ RCC surface and the cost of bolts etc. The pipes shall be fixed to the already fixed brackets with the help of 30 mm x1.6 mm galvanised M.S. flats of specified shape and of total length 420 mm and shall be fixed with M.S. nuts, bolts, & washers of size 25x6 mm, one bolts on each side of the pipe.					17.77
7.5.1	Total bracket length 580 mm of approved shape and design (for single 100 mm dia pipe)	6	each	304.05	₹ 1,824.00	17.77.1
8	WATER SUPPLY					18
8.1	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings and fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.					18.8
8.1.1	20 mm nominal dia Pipes	10	metre	537.60	₹ 5,376.00	18.8.2
8.2	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work					18.9
8.2.1	25 mm nominal dia Pipes	30	metre	355.40	₹ 10,662.00	18.9.3
8.3	Providing and fixing PTMT bib cock of approved quality and colour.					18.54
8.3.1	15 mm nominal bore, 122 mm long, weighing not less than 99 gms	2	each	161.20	₹ 322.00	18.54.2

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8.4	Providing and fixing PTMT stop cock of approved quality and colour.					18.55
8.4.1	15 mm nominal bore, 86 mm long, weighing not less than 88 gms	2	each	118.50	₹ 237.00	18.55.1
8.5	Providing and fixing PTMT grating of approved quality and colour.					18.58
8.5.1	Circular type					18.58.1
8.5.1.1	125 mm nominal dia with 25 mm waste hole	3	each	51.85	₹ 156.00	18.58.1.2
8.6	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour.					18.74
8.6.1	15 mm nominal bore with 45 cm length	1	each	121.90	₹ 122.00	18.74.2
9	ALUMINIUM WORK					21
9.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :					21.1
9.1.1	For fixed portion					21.1.1
9.1.1.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)	240	kg	530.90	₹ 127,416.00	21.1.1.2
9.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)					21.1.2
9.1.2.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)	173	kg	634.45	₹ 109,760.00	21.1.2.2
9.2	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):					21.3
9.2.1	With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	16	sqm	1505.25	₹ 24,084.00	21.3.2
	Total				₹ 765,107.00	
	Modified Estimated Cost after using Correction facto on DSR-2023 on account of GST @ 0.973 as per O.M. Issued by DG , CPWD vide No.-158/SE/(TAS)/GST/2024/02- Dated: 08/08/2024 SH: I to SH:-VIII. i.e. @0.973 % on "A"				₹ 744,449.00	
	Add enhancement for Cost Index @ 15% On DSR-2023 Item(As approved Cost Index of Kolkata is 115 on DPAR-2023(Base-100) as on 01/04/2024 Vide letter No.- 34(1)/SDG (Kol)/Cost Index /2024/1316 (H) Dated : 01/04/2025 on "B"				₹ 111,667.00	
	Total				₹ 856,116.00	

Executive Engineer
BCD-II, CPWD, Barasat