

**Schedule for Repairing of BENFED Office Building, Berhampur, Murshidabad.**

Sl. No.	Description of work	Quantity	Unit	Rate (Rs)	Amount (Rs)
1	Cleaning the concrete surface by removing dirt and debris, marking defective locations and removing loose concrete by careful stripping until 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.	60	Sq. M.	96.00	5760.00
2	Cleaning the exposed reinforcement preferably upto full diameter by wire brush, applying two coats of polymer based rust removing compound left for 24 hours, removing the coating and then applying two (2) coats of polymer modified anti corrosive protective coating formulated to inhibit the corrosion of reinforcement as per manufacturer's specification] [Mode of measurement: The affected surface area of reinforcement shall be considered for payment]	60	Sq. M.	915.00	54900.00
3	Removing corroded worn out portion of reinforcement (when the area of bar is damaged by more than 25%) by cutting and replacing the same by a new bar of requisite diameter by binding with required lap / welding with old bar, including cost of reinforcement, complete in all respect including removing unserviceable materials from site as per direction of the Engineer - in - charge. Note : Payment on weight (Kg.) of new reinforcement.	250	Kg.	102.00	25500.00
4	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).	60	Sq. M.	356.00	21360.00
5	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) mixing with water proofing and plasticising admixture @ 2% by weight of cement excluding shuttering and reinforcement.	1.5	Cu. M.	8302.46	12453.69
6	10 mm. thick plaster to walls, floors, ceilings etc. with sand and cement mortar (1:4), including rounding off corners or chamfering as directed and racking out joints or roughening the concrete surfaces.	60	Sq. M.	135.00	8100.00
7	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.	2	Cu. M.	501.00	1002.00
8	Brick work with 1st class bricks in cement mortar (1:6) in superstructure, ground floor	1	Cu. M.	5551.00	5551.00
9	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor.	2	Sq. M.	725.00	1450.00
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. (i) Pakur Variety	1	Cu. M.	7190.46	7190.46

Sl. No.	Description of work	Quantity	Unit	Rate (Rs)	Amount (Rs)
11	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor). (a) 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.	12	Sq. M.	376.00	4512.00
12	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction. ( Other than SAIL/TATA/RINL)	0.1	M.T.	56802.00	5680.20
13	Stripping off worn out plaster and raking out joints of walls, celings etc. upto any height and in any floor including removing rubbish within a lead of 75m as directed.	100	Sq. M.	19.00	1900.00
14	Labour for Chipping of concrete surface before taking up Plastering work.	50	Sq. M.	21.00	1050.00
15	Plaster to walls, floors, ceilings etc. with sand and cement mortar, including rounding off corners or chamfering as directed and racking out joints or roughening the concrete surfaces.				
16	20 mm. thk. Plaster with (1:6) cement sand mortar at all elevations.	100	Sq. M.	173.00	17300.00
17	15 mm. thk. Plaster with (1:6) cement sand mortar at all elevations.	30	Sq. M.	150.00	4500.00
18	10 mm. thk. Plaster with (1:4) cement sand mortar at all elevations.	50	Sq. M.	135.00	6750.00
19	Supplying, fitting and fixing Marble Slab/tile of 15 to 18 mm thickness in floor, lobby, stair, landing & treads etc. over 20 mm (av.) thck base of Cement mortar (1:2) laid with white cement slurry @ 4.4 kg/Sq.m before placing marble & jointed with white cement slurry @ 2.0 kg/Sq.m with necessary pigments including grinding and Granite polishing as per direction of Engineering -in -Charge in Ground Floor. [White cement and Pigment to be supplied by the Agency] - Area of each slab/tile exceeding 1.00 sq.m	2	Sq. M.	2472.00	4944.00

Sl. No.	Description of work	Quantity	Unit	Rate (Rs)	Amount (Rs)
20	<p>Supplying and laying true to line and level vitrified tiles of approved brand (size not less than 600 mm X 600 mm X 10 mm thick) in floor, skirting etc. set in 20 mm sand cement mortar (1:4) and 2 mm thick cement slurry back side of tiles using cement @ 2.91Kg./sqM or using polymerised adhesive (6 mm thick layer applied directly over finished artificial stone floor/Mosaic etc without any backing course) laid after application slurry using 1.75 Kg of cement per sqM below mortar only, joints grouted with admixture of white cement and colouring pigment to match with colour of tiles / epoxy grout materials of approved make as directed and removal of wax coating of top surface of tiles with warm water and polishing the tiles using soft and dry cloth upto mirror finish complete including the cost of materials, labour and all other incidental charges complete true to the manufacturer's specification and direction of Engineer-in-Charge.(White cement, synthetic adhesive and grout material to be supplied by the contractor with application slurry @1.75 kg/ Sq.m, 20 mm sand cement mortar (1:4) &amp; 2 mm thick cement slurry at back side of tiles, 0.2 kg/ Sq.m white cement for joint filling with pigment. (A) Deep Colour &amp; White</p>	15	Sq. M.	1960.00	29400.00
21	<p>Supplying, fitting &amp; fixing 1st quality Ceramic tiles in walls and floors to match with the existing work &amp; 4 nos. of key stones (10mm) fixed with araldite at the back of each tile &amp; finishing the joints with white cement mixed with colouring oxide if required to match the colour of tiles including roughening of concrete surface, if necessary or by synthetic adhesive &amp; grout materials etc. (B) Wall With Sand Cement Mortar (1:3) 15 mm thick &amp; 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m &amp; joint filling using white cement slurry @ 0.20kg/Sq.m. (a) Area of each tile upto 0.09 Sq.m (i) Coloured decorative</p>	60	Sq. M.	844.00	50640.00

Sl. No.	Description of work	Quantity	Unit	Rate (Rs)	Amount (Rs)
22	<p>Constructing Inspection pit of inside measurement 600mm X 600mm X upto 600mm (depth) with 250 mm thick 1st. class brick work in cement mortar (1:4) on all sides, bottom of the pit consisting of 100 mm thick cement concrete (1:3:6) with stone chips over a layer of jhama brick flat soling, 15 mm thick (1:4) cement plaster to inside walls and out-side walls upto G.L. and 20 mm. thick (1:4) plaster to bottom of the pit, providing necessary invert with cement concrete (1:3:6) with stone chips as per direction, neat cement finishing to entire internal surfaces, top of the pit covered with 100 mm thick R.C.C. slab (1:1.5:3) with stone chips and necessary reinforcements upto 1% and shuttering including 6 mm thick cement plaster (1:4) in all external surfaces of the slab and one 560 mm dia. R.C.C. manhole cover of approved make supplied, fitted and fixed in the slab with necessary fittings, necessary earthwork in excavation in all sorts of soil, filling sides of the pit with earth and removing spoils after work complete in all respect with all costs of labour and materials.</p> <p>i) With Pakur variety.</p>	1	No.	7522.00	7522.00
23	<p>Construction of septic tank of different capacities as per approved drawing with 1st class brick work in cement mortar (1:4) including two 560 mm dia. R.C.C. manhole cover (heavy type) of approved make supplied, fitted and fixed in the 100mm thick R.C.C (1:1.5:3) top slab with necessary fittings, 20mm thick cement plaster (4 : 1) with neat cement finish to the internal surfaces and 15 mm thick cement plaster (4 : 1) to outside wall upto 200 mm below G.L floor finished with 25 mm thick grey artificial stone over 100 mm thick R.C.C(1:1.5:3) bottom slab including supplying, fitting and fixing all necessary specials, fittings, S.W. tees, C.I. foot rest etc. including excavation earth in all sorts of soil, shoring, bailing out and pumping out water as necessary, ramming, dressing the bed and refilling the sides of the tanks with earth, removing spoils, filling up the chamber with clear water, removing foreign materials from the chamber and including constructing attached inspection pit as per approved drawing and connecting all necessary pipes, joints etc. with internal plaster work and artificial stone flooring is to be done with admixture of water proofing compound @ 0.5% by weight of cement with all costs of labour and materials.</p> <p>(iii) For 30 users. A. Pakur variety</p>	1	No.	65179.00	65179.00

Sl. No.	Description of work	Quantity	Unit	Rate (Rs)	Amount (Rs)
24	Construction of circular soak well 2.5 metre deep in all types of sandy soils with dry brick work upto 1.6 metre from the bottom having 150 mm intermediate cement brick work (1:4) band all round and cement brick work (1:4) upto 0.90 metre from top with 20mm thick cement plastering (1:4) to inside face upto the depth of cement brick work, 15mm thick cement plaster (1:4) on outer face from top of the well upto G.L. and 6 mm thick cement plaster (1:4) on top of the R.C.C. cover slab including filling bottom 1.00 metre of inside of the well with brick metal (50 mm to 63 mm size) including R.C.C. cover slab of 100 mm thick with cement conc (1:1.5:3) with stone chips with necessary reinforcement and shuttering including one 560 mm dia. R.C.C. manhole cover (heavy type)of approved make supplied, fitted and fixed in the cover slab with necessary fittings, making necessary arrangements for pipe connections, excavation of well including shoring, dewatering and removing the excess earth from the premises as per direction complete in all respect with all costs of labour and materials. With 250 mm thick dry brick work and 250 mm thick cement brick work (1:6) and 1.00m inside dia.	1	No.	16778.00	16778.00
25	Supplying, fitting and fixing Anglo-Indian W.C. with closet seat in white glazed vitreous china ware of approved make including 10 Lt. capacity heavy duty PVC Cistern with 32 mm. dia. Polythine flush pipe and other required accessories complete in position with necessary bolts, nuts etc. (a) With 'P' trap (with vent)	1	Set	5899.00	5899.00
26	Supplying, fitting and fixing Flat back urinal (half stall urinal) in white vitreous chinaware of approved make in position with brass screws on 75 mm X 75 mm X 75 mm wooden blocks complete. (ii) 465 mm X 355 mm X 265 mm	1	Set	820.00	820.00
27	Supplying, fitting and fixing white vitreous china best quality approved make wash basin with C.I. brackets on 75 mm X 75 mm wooden blocks, C.P. waste fittings of 32 mm dia., one approved quality brass C.P. pillar cock of 15 mm dia., C.P. chain with rubber plug of 30 mm dia., approved quality P.V.C. waste pipe with C.P. nut 32 mm dia., 900 mm long approved quality P.V.C. connection pipe with heavy brass C.P. nut including mending good all damages and painting the brackets with two coats of approved paint. (ii) 550 mm X 400 mm size	1	Set	2504.00	2504.00
28	Supplying, fitting and fixing stainless steel sink complete with waste fittings and two coats of painting of C.I. brackets including 32 mm. PVC waste pipe, 1050 mm. long, PTMT Bib cock (prayag or equivalent) etc. complete. (i) 530 mm X 430 mm x 180 mm	1	Set	4427.00	4427.00
29	(e) PTMT (Polytetra Bib Cock / Stop Cock ( Prayag or equivalent) 15 mm	10	No.	177.00	1770.00
30	(g) PTMT overhead shower ( Prayag or equivalent) (i) 150 mm. round.	1	No.	400.00	400.00

Sl. No.	Description of work	Quantity	Unit	Rate (Rs)	Amount (Rs)
31	(c) Chromium plated Hand shower 70mm dia Round Shape Single flow with Flexible Tube & fittings(Equivalent to Code No. ESH-5512 & Model - Tropical / Sumthing Special of ESSCO or similar).	1	No.	1581.00	1581.00
32	Supplying, fitting and fixing towel rail with two brackets. (a) C.P. over brass. (iii) 25 mm dia. and 750 mm long	1	No.	613.00	613.00
33	Supplying, fitting and fixing best quality Indian make mirror 5.5 mm thickwith silvering as per I.S.I. specifications supported on fibre glass frame of any colour, frame size 550 mm X 400 mm	1	No.	792.00	792.00
34	Supplying, 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 pipeline including specials. - 110 mm. dia.	15	M.	405.00	6075.00
35	(a)110 mm. dia Plain Tee of UPVC.	4	Each	182.00	728.00
36	(a)110 mm. dia Door Tee of UPVC.	4	Each	233.00	932.00
37	Supplying, fitting and fixing CPVC (Chlorinated Polyvinyl Chloride) pipes of approved make conforming to IS-15778: 2007 . with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbo, nipple, longscrew, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accesories, specials. (a) For Exposed Work (i) CPVC Pipes Class-I,SDR-11 - 15 mm. dia.	24	M.	111.00	2664.00
38	Labour for taking out door and window frame including shutter for repair or replacement of different parts of the frame & refixing the same including mending good all damaes complete. (Concrete and brick work for mending damage will be paid separately). - Above area 2.5 Sq.m	6.5	Sq. M.	148.00	962.00
39	Wood work in door and window frame fitted and fixed in position complete including a protective coat of painting at the contact surface of the frame exluding cost of concrete, Iron Butt Hinges and M.S clamps. (The quantum should be correted upto three decimals). - Sal (local)	0.1	Cu. M.	83652.00	8365.20
40	Anodised aluminium barrel / tower / socket bolt (full covered) of approved manufactured from extruded section conforming to I.S. 204/74 fitted and fixed with cadmium plated screws: - 225mm long x 10mm dia. bolt.	6	Nos.	98.00	588.00

Sl. No.	Description of work	Quantity	Unit	Rate (Rs)	Amount (Rs)
41	Anodised aluminium D-type handle of approved quality manufactured from extruded section conforming to I.S. specification (I.S. 230/72) fitted and fixed complete: (a) With continuous plate base (Hexagonal/ Round rod). - 125 mm grip x 10 mm dia rod.	12	Nos.	108.00	1296.00
42	Applying Interior grade standard quality Acrylic emulsion paint 2 (two) coats of approved quality, as per manufacturer's specification and as per direction of EIC to be applied over a coat of acrylic primer (water based interior grade) as required. The rate includes cost of material, labour, scaffolding and all incidental charges.	150	Sq. M.	100.33	15049.50
43	Protective and Decorative Acrylic exterior emulsion paint two coats of approved quality, as per manufacturer's specification and as per direction of EIC to be applied over a coat of acrylic primer (premium 100% Acrylic Emulsion) as required. The rate includes cost of material, labour, scaffolding and all incidental charges.	25	Sq. M.	126.04	3151.00
44	(a) Priming one coat on timber or plastered surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	15	Sq. M.	41.00	615.00
45	(A) Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary : (a) On timber or plastered surface with super gloss (hi-gloss) - Two coats (with any shade except white)	15	Sq. M.	89.00	1335.00
<b>TOTAL</b>					<b>419989.05</b>

Declaration by the Tenderer

- I/we offer to execute the works described above in conformity with the conditions of Contract, Specifications, Drawings, Bills of Quantities and Addenda, if any, etc. for Percentage Rate Contract, AT PAR\*/ % (in words) Percent) BELOW PAR\*/ ABOVE PAR\* with the annexed price schedule within the time specified, after having satisfied myself/ourselves with the site conditions. (\* strike off which are not applicable.)
- I/We undertake to commence the works on receiving the Work Order.
- These offered rates and my/our written acceptance of the same shall constitute a binding Contract between us and the rates accepted by me/us are inclusive of all statutory Taxes, Levies etc. as imposed/to be imposed by the Govt. time to time.
- I/we understand that you are not bound to accept the lowest or any Rate quoted by me/us.

Date :

Signature of the Tenderer with Address & Seal.