

RETROFITTING WORK OF VAN BHAVAN OFFICE BUILDING AT ADAJAN IN SURAT (BUILDING GALLERY)

Specification Index

Sr. No.	Description of Item	Specification Detail
1	Dismantling tiled of stone floors laid in mortar including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift.	The Relevant specification of item shall be followed from 'General Technical Specifications For BUILDING WORKS' Book Vol. I & II # The rate shall be for a unit of Square meter
2	Demolition of Brickwork and stone masonry including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift. (ii) In cement mortar	The Relevant specification of item shall be followed from 'General Technical Specifications For BUILDING WORKS' Book Vol. I & II # The rate shall be for a unit of Cubic Meter
3	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(C) Hard Murrum/or any surface	The Relevant specification of item shall be followed from 'General Technical Specifications For BUILDING WORKS' Book Vol. I & II # The rate shall be for a unit of Cubic Meter
4	Filling in plinth and foundation with sand under floors including watering ramming, consolidating and dressing complete	The Relevant specification of item shall be followed from 'General Technical Specifications For BUILDING WORKS' Book Vol. I & II # The rate shall be for a unit of Cubic Meter
5	Filling in foundation and plinth with murrum or selected soil in layers of 20cm. thickness including watering, ramming and consolidating etc. complete. (more than 10 ton)	The Relevant specification of item shall be followed from 'General Technical Specifications For BUILDING WORKS' Book Vol. I & II # The rate shall be for a unit of Cubic Meter
6	Filling available excavated earth (excluding rock) in trenches. plinth, sides of foundations etc. in layers not exceeding 20 cm. in depth consolidating each disposed layer by ramming and watering.	The Relevant specification of item shall be followed from 'General Technical Specifications For BUILDING WORKS' Book Vol. I & II # The rate shall be for a unit of Cubic Meter
7	Carring out plinth treatment to post construction / existing structure by spraying chemical solution for termite control treatment including labour and material consistent with I.S.I specification. Using Chlordane and Chiorpurfiles 20 EC. As Per 6131_paret-II Concentration Weight one percent is recommended i.e one liter 20 EC chemical emulsion with 19 liter give 1 % concentration inclusive of one liter chemical emulsion application at the rate of 5 Liter chemical/ Sqm of surface is recommended as per I.S.	The Relevant specification of item shall be followed from 'General Technical Specifications For BUILDING WORKS' Book Vol. I & II # The rate shall be for a unit of Square meter
8	Providing and laying cement concrete 1:2:4 (1- Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	The Relevant specification of item shall be followed from 'General Technical Specifications For BUILDING WORKS' Book Vol. I & II # The rate shall be for a unit of Cubic Meter
9	Brick work using common burnt clay building bricks having crushing strength not less than 35 Kg./Sq.,Cm. in Super Structure in C.M. 1:6 (B) conventional	The Relevant specification of item shall be followed from 'General Technical Specifications For BUILDING WORKS' Book Vol. I & II # The rate shall be for a unit of Cubic Meter

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10	Providing and laying in position Ready Mixed M-300 grade concrete for reinforced cement concrete work, using cement content as per approved Design Mix manufactured in fully automatic batching plant and transported to site of work in transit mixer for a lead up to 10 kms having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work including pumping of R.M.C. from transit mixer to site of laying, including the cost of centering shuttering finishing and excluding reinforcement including cost of admixtures in recommended proportions as per IS: 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer in charge. Without Fly Ash (Min cement level as per latest IS 456 shall be maintained) (Cement level 475 kg)	The Relevant specification of item shall be followed from 'General Technical Specifications For BUILDING WORKS' Book Vol. I & II # The rate shall be for a unit of Cubic Meter
11	Providing and fixing temporary steel props/support system to take the load of the surrounding structure during the repair process, including necessary staging and removal after completion. complete with all the required tools, tackles, labourers as required and as directed by the engineer in charge. Unit will be in sqm and For measurement, column Height and Length will be measured.	The Relevant specification of item shall be followed from 'General Technical Specifications For BUILDING WORKS' Book Vol. I & II # The rate shall be for a unit of Cubic Meter
12	Chipping of existing concrete surface using mechanical tools to remove loose/damaged concrete and expose coarse aggregates, including cleaning the surface with wire brush, removal of dust, debris and laitance. P/A ANTI CORROSIVE RUST REMOVER ON REIN Providing and applying anti corrosive rust remover "Rusticide" of M/S Sunanda speciality coating pvt Ltd or equivalent approved including cleaning the reinforcement bars with wire brush or air blowing including removing of all loose particle with applying rust remover thoroughly on reinforcement bars by using cotton waste swab etc. complete with all the required tools, tackles, labourers as required and as directed by the engineer in charge.	The Relevant specification of item shall be followed from 'General Technical Specifications For BUILDING WORKS' Book Vol. I & II # The rate shall be for a unit of Square meter As per attached Separate Retrofitting Specification.
13	Drilling holes in existing column using rotary hammer drill and fixing 12 mm dia L-shaped TMT bars as shear connectors in zig-zag pattern at 600 mm c/c on all faces, including cleaning of holes, filling with approved epoxy/chemical grout and proper anchorage. complete with all the required tools, tackles, labourers as required and as directed by the engineer in charge.	As per attached Separate Retrofitting Specification.
14	Providing and applying polymer modified mortar treatment in proportion (Cement : White Sand : SBR = 1 : 1 : 0.14) in layers up to 22 mm thickness each by hand pressing method over prepared concrete surface, including surface cleaning and roughening, application of bonding coat, placing and compacting mortar, finishing to a rough texture to ensure proper bond with subsequent RCC jacketing, including curing, all materials, labour, tools and equipment complete as per specification and directed by EIC.	As per attached Separate Retrofitting Specification.

Sr. No.	Description of Item	Specification Detail
15	Providing formwork of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc. Height of propping and centering below supporting floor to ceiling not exceeding 4M. and removal of the same for insitu reinforced concrete and plain concrete work in. (G) Columns Pillars Posts and struts	The Relevant specification of item shall be followed from 'General Technical Specifications For BUILDING WORKS' Book Vol. I & II # The rate shall be for a unit of Square meter
16	Providing and laying minimum 100 mm thick RCC jacketing around existing column using design mix M30 micro concrete, including addition of approved admixtures (superplasticizer) and fiber reinforcement 3s 12mm fibers (Recron or equivalent), including: -Pouring/pumping of micro concrete -Compaction using vibrator -Finishing to line and level The work shall be carried out from foundation level up to required height	As per attached Separate Retrofitting Specification.
17	Providing TMT Bar FE 500D reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor two level	The Relevant specification of item shall be followed from 'General Technical Specifications For BUILDING WORKS' Book Vol. I & II # The rate shall be for a unit of Kg
18	Providing 15mm thick Water proof Cement Plaster in single coat on brick/concrete wall for interior/exterior plastering at all floor Lvl. & finished even and smooth in(i) Cement mortar 1:4 (1-cement :4-sand) For all floor, etc. Complete, as per detailed and directed by EIC	The Relevant specification of item shall be followed from 'General Technical Specifications For BUILDING WORKS' Book Vol. I & II # The rate shall be for a unit of Square meter
19	20mm thick sand faced cement plaster on walls upto height 10 metres above ground level consisting of 12mm thick backing coat of C.M. 1:3 (1-cement : 3-sand) and 8mm thick finishing coat of C.M. 1:1 (1-cement : 1-sand) etc. complete.	The Relevant specification of item shall be followed from 'General Technical Specifications For BUILDING WORKS' Book Vol. I & II # The rate shall be for a unit of Square meter
20	Providing and laying Vitrified tiles 8 to 10 mm thick , 24" x 24" in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement : 3-coarse sand) finishing with flush pointing in white cement.	The Relevant specification of item shall be followed from 'General Technical Specifications For BUILDING WORKS' Book Vol. I & II # The rate shall be for a unit of Square meter
21	Applying two coats of Birla or Asian acrylic lappy (putty) & two coats of primer at Wall painting (two coats) with plastic emulsion paint of approved brand & manufacture on undecorated wall surfaces to give an even shade including thoroughly brushing the surface free from mortar droppings & other foreign matter & sand papered smooth, as per detailed & directed by EIC.	The Relevant specification of item shall be followed from 'General Technical Specifications For BUILDING WORKS' Book Vol. I & II # The rate shall be for a unit of Square meter