

**Bill of Quantities for Addition, Alteration & Renovation of D-Type Quarter ( 21no),  
D-Type Flat (44 no) & F-Type quarter (40 no) for National Institute of Technology, Rourkela.**

Sl. No.	Item Description	Qty	Unit	Rate ( in figures & word)	Amount
1	Taking out doors, windows and clerestory windows shutter including chowkaths, grills,architrave, holdfasts, making good the damages etc. complete and stacking within 50m lead of area 3 sqm and below. ( window having more than one leaf treat as a single shutter)	164	No		
2	Taking out doors, windows and clerestory windows shutter excluding chowkaths,grills, architrave, holdfasts, making good the damages etc. complete and stacking within 50m lead of area 3 sqm and below. ( window having more than one leaf treat as a single shutter)	273	No		
3	Dismantling Brick work at all heights including stacking of servicable material and disposal of unserviceable material with in 50 mtre lead.	51	Cum		
4	Dismantling RCC work in any prporation at all heights including stacking of servicable material and disposal of unserviceable material with in 50 metre lead.	21	Cum		
5	Dismantling cement plaster/ skirting/ dado ( all depths/ all prporation) at all heights including removal of debris within 50mtr lead.	2520	Sqmt		
6	Earth work in excavation in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) in all kinds of soil including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil	1075	Cum		
7	Providing and laying in position cement concrete of 1:4:8 (1 cement : 4 coarse sand :8 graded stone aggregate 40mm nominal size) grade including the cost of curing, centring and shuttering.	472	Cum		
8	Filling under foundation, floor & plinth with good river sand, including ramming watering for compacting after laying sand not exceeding 25.5cms including lead, labour, T&P of all required materials to complete the work in all respect as per the direction of the Engineer-in-charge.	978	Cum		

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Sl. No.	Item Description	Qty	Unit	Rate ( in figures & word)	Amount
9	Back Filling with available excavated earth including ramming watering for compacting after laying sand not exceeding 20 cms including lead, labour, T&P of all required materials to complete the work in all respect as per the direction of the Engineer-in-charge.	668	Cum		
10	Brick work with locally available KB bricks strenght not less than 55Kg/sqcm in cement mortar 1:6 (1 cement : 6 coarse sand) in all width including all material, labour, pointing , curing, scaffolding etc.				
10.1	Foundation & plinth	627	Cum		
10.2	Superstructure	810	Cum		
11	Providing half brick masonry with locally available KB bricks strenght not less than 55Kg/sqcm in superstructure including providing & placing in position 2 Nos 6mm dia M.S. bars at every third course of half brick masonry (with FPS bricks) cement mortar 1:4 (1 cement : 4 coarse sand) including curing, scaffolding etc.	183	Sqmt		
12	Providing Reinforced Cement Concrete work in proparation 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20mm nominal size) etc. at any location excluding cost of centring, shuttering, finishing and reinforcement. Recron 3S Tringular polyster fibres cut lenfth-12mm @ 0.25% wt of cement ( 125gm/50kg bag of cement ). The surface of RCC should be finished smooth and in plumbline , if rough or not in proper level line it will plastered with cement mortar (1:3) & no extra payment will be made for such plastering.	244	Cum		
13	Providing & laying 40mm thick Damp Proof Course in cement concrete ( 1 cement : 2 coarse sand : 4 graded stone aggegate 12.5mm nominal size) with side shuttering, rougnening the top surface.	426	Sqmt		

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Sl. No.	Item Description	Qty	Unit	Rate ( in figures & word)	Amount
14	Providing 40mm thick Artificial Stone Flooring as per proper level in cement concrete of proportion of (1cement:2 coarse sand :4 graded coarse aggregates of 12.5mm nominal size ) with a floating coat of neat cement punning, fixing of glass strip in the joints of new & old flooring cost including dismantling of damaged flooring and removal of debris, making good the damages, materials, labour, tax, T&P, lead,curing complete as per the direction of Engineer.-in-charge. Recron 3S Tringular polyster fibres cut length -12mm @ 0.25% wt of cement ( 125gm/50kg bag of cement )	730	Sqmt		
15	Cement Plaster Skirting with Cement mortar 1 cement : 3 corase sand finished with a floating coat of neat cement including rounding of junctions & curing complete.	162	Sqmt		
16	Providing and fixing Kota stone flooring 18mm thick of approved quality by Engineer-in -Charge over 12mm thick bed of Cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.Including removing old flooring & base mortar if required at any location	1151	Sqmt		
17	15mm C.P. in single coat 1:6 (1 cement : 6 sand) and waterproofing admixture Conplast x 4211C (Fosroc) as per manufacture's specification & Recron 3S Tringular polyster fibres cut length-6mm @ 0.25% wt of cement ( 125gm/50kg bag of cement ) at any location including finishing even & smooth and curing etc. complete including repairing the cracks with Renderoc CF (Fosroc) if required.	4770	Sqmt		
18	18mm C.P. in two coats underlayer 12mm C.P. 1:5 and top layer 6mm thick C.P. 1:6 and waterproofing admixture Conplast x 4211C (Fosroc) as per manufacture's specification & Recron 3S Tringular polyster fibres cut length-6mm @ 0.25% wt of cement ( 125gm/50kg bag of cement ) finished even and smooth at any location and curing etc. complete including repairing the cracks with Renderoc CF (Fosroc) if required	3185	Sqmt		

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Sl. No.	Item Description	Qty	Unit	Rate ( in figures & word)	Amount
19	6mm C.P. 1:4 (1 cement : 4 fine sand) to ceiling, soffit of beam, chajja, fin etc. and waterproofing admixture Conplast x 4211C (Fosroc) as per manufacture's specification & Recron 3S Triangular polyester fibres cut length-6mm @ 0.25% wt of cement ( 125gm/50kg bag of cement ) including chipping the roof / concrete surface finishing smooth & even and curing at any location etc. including repairing the cracks with Renderoc CF (Fosroc) if required	2965	Sqmt		
20	Providing & fixing in position 30 mm thick ISI marked factory made solid core block board flush door both side commercial confirming to IS:2202, PT-1 shutter of (Century/Green) make & quality bounded with phenol formaldehyde synthetic resin, leaving around complete as specified with painting both sides with primer & enamel paint ( 2 & more coats ) to get an even shade of approved shade both side cost includes aldop, tower bolt, handle, hinges, stopper etc. (all of stainless steel ) complete in all respect as per the direction of Engineer ( Including cost of all Hardware fittings)	182	Sqmt		
21	Supplying & Fixing glazed window shutter 30mm thick made of locally available second class teak wood with 4mm thick float glass with all necessary hardwares such as stainless steel hinges, SS handles, tower bolt, wooden cleats etc. with painting wood primer & synthetic enamel paint ( two & more coats) to get an even shade to complete the work in all respects	80	Sqmt		
22	Supplying & Fixing door frame / chowkath of cross section ( 125mm x 65mm) well seasoned sal wood in existing opening including embedding chowkath in floors or walls cutting masonry for holdfasts, embedding hold fasts in cement concrete blocks with cement concrete 1:1.5:3 ( 1 cement: 1.5 coarse sand : 3 graded stone aggregate 20mm nominal size), taking out existing chowkath if required, painting two coats of coal tar to sides of chowkath and making good the damages to walls and floors as required complete including disposal of rubbish to the dumping ground within 50 metres lead as per the direction of Engineer in charge.	14.2	Cum		
23	Supplying and Fixing M.S. grills of required pattern in frames of windows/ openings etc with M.S. flats /square or round bars etc. including fabrication charge all complete at any location	9490	Kg		

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Sl. No.	Item Description	Qty	Unit	Rate ( in figures & word)	Amount
24	Providing, cutting, bending, placing and binding steel reinforcement as per IS: 1786 in all RCC works, providing spacer blocks in CM 1:2 including binding wires etc. complete as per drawings and specification. Cold Rolled twisted bar /HYSD/TMT of TATA / SAIL Steel. (Grade Fe 415/500)	184	Qntl		
25	Centring and shuttering (Ply wood/Steel) at any location including strutting, propping, polythene sheet laid before concreting for watertightness etc. and removal of form & polythene sheet for:				
25.1	Lintel , chajja, fins,beam,column etc.	675	Sqmt		
25.2	Slab	1485	Sqmt		
26	Providing bearing plaster 20mm thick in cement mortar ( 1:3) with a floating coat of neat cement & bitumen painting at any location.	246	Sqmt		
27	Providing and applying Two coats of synthetic enamel paint of approved make and shade form ASIAN PAINTS -APCOLITE PREMIUM GLOSS ENAMEL / BERGER PAINTS - LUXOL HI GLOSS SYNTHETIC ENAMEL / SUPER PAINTS / ICI DULUX / NEROLAC PAINTS" over existing painted or new wooden/ steel surfaces minor repairs including sealing of cracks with suitable putty of approved brand, scaffolding, cleaning of dirt, removal of oil etc, preparation of surfaces wherever required including sand papering, cleaning etc. complete as directed by the Engineer. Item includes cost of all materials, transportation, labour, etc. at any location.				
27.1	Over New work (wooden/ steel surface)	1205	Sqmt		
27.2	Over old work (wooden / steel surface)	6924	Sqmt		
28	Removing white or colour wash/ distemper water proofing cement paint by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete at any location.	50780	Sqmt		
29	Distemping with 1st quality acrylic washable distemper (ready mixed) of Asian/ Nerolac/ICI and of required shade and colour as per manufacture's specification . Two or more coats on new work. At any location.	32236	Sqmt		
30	Applying one coat of cement primer of approved brand & manufacture on wall surface , distemper primer at any location.	32236	Sqmt		

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Sl. No.	Item Description	Qty	Unit	Rate ( in figures & word)	Amount
31	Providing and applying two coats of external paint with Antifungal / Antialgal Acrylic Emulsion of Asian make ACE / Berger make Walmasta /Goodlas -Nerolac make Excel/ ICI Dulux make Super coat/ Nitco make outlook of approved shade over existing painted wall and other surfaces, making good the damaged and rough surface smooth, minor repairs, sealing of cracks with cement slurry and cleaning of doors, windows, ventilators, washing the surroundings after completion of work including cost of all materials, labours etc. complete as per specification and as directed by the Engineer. at any location.	14631	Sqmt		
32	Providing & Making Plinth Protection all round the building with bricks of class designation 55 laid on edge in cement mortar 1:6 ( 1 cement : 6 coarse sand) with 12mm thick bed of cement mortar 1:6 ( 1 cement: 6 coarse sand) over 75mm thick bed of dry brick aggregates 40mm nominal size well rammed & consolidated & grouted with fine sand & the top of the bricks pointed with cement mortar 1:3 ( 1 cement : 3 fine sand) including cost of all materials, labour, lead, royalty, tax, T&P , curing etc.complete in all respects as per direction of Engineer in charge.	1795	Sqmt		
33	Anchoring with chemical grouting in RCC (FISCHER / HILTI) including drilling holes for ( 8mm dia )the anchoring & specified depth as per the manufacture's specifications cost includes all material, labour, tax, lead, T&P etc. complete in all respects at any location.	2040	No		
34	Making dowels in the existing brick masonry / stone masonry of minimum 250mm/ 125mm wide & 200mm depth, removal of plaster, cutting groves in the existing wall alternate course at any location, removal of debris within 50mtr lead.	835	Mtr		
35	Providing & Applying Nitobond <sup>(R)</sup> EP ( a product of Fosroc Chemicals (India ) Pvt. Ltd. )/ Epoxy bonding agent of Pidilite Industries Ltd. as jointing material as a bonding agent for jointing of new & old concrete of roof slab / concrete member as per manufacture's specification as construction joint cost includes all material,labour , T&P, Scaffolding charges etc. complete at any location.	104	Sqmt		

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Sl. No.	Item Description	Qty	Unit	Rate ( in figures & word)	Amount
36	Cleaning the roof and chajja with wire brush and water jet and repairing pot holes with polymerised cement mortar ( 1:4) with sika latex/ Dr Fixit Pidiproof LW /CICO /FOSROC including providing and laying two coats of sika latex /Dr Fixit Pidifin 2K/CICO/ FOSROC with cement on top surface of roof @150gm/sqm per coat. Making hangers in the junction of parapet and roof slab, wall and chajja in polymerised cement mortar ( 1:4). Polymers to be added @ 150gm / 50Kg of cement in cement mortar.plaster 12mm thk provided over waterproofing coating in cement mortar (1:4) added with waterproofing compound conforming to IS:2645. all as per manufacture's specification. at any location.	4715	Sqmt		
37	Repairing the existing door shutter cost includes taking out the door shutter from the frame, necessary repairing to the shutter including change of damaged wooden members (rails, styles, panels) as required to appropriate / required size to match the existing shutter, wooden cleats, hinges, fabrication charge to fix the door shutter with frame as required cost includes all material, hardwares, labour, tax,lead,scaffolding charge, T&P, making good the damages etc. complete in all respects as per the direction of Engineer-in -charge.	284	Sqmt		
38	Repairing the existing panelled window shutter includes taking out the shutter from the existing wood frame, necessary repairing to the shutter including change of wooden members (rails, styles,mulions, panels in wood / glass ) required size to match the existing shutter, wooden cleats, hinges, fixing the shutter with wood frame as required,cost includes all material, labour,hardwares, tax, lead, scaffolding charge, T&P, making good the damages etc. complete in all respects as per the direction of Engineer-in -charge. at any location.	126	Sqmt		
39	Dismantling of existing AS flooring in all depths including removal of debris with in 50mtr lead & repairing the same with cement concrete ( 1 cement : 2 coarse sand : 4 stone aggregate 12.5mm nominal size) & neat cement punning.	805	Sqmt		
40	Chiseling the roof slab/ chajja to remove the weakened concrete and applying rust remover of (Pidilite Industries Ltd./Fosroc) to the exposed reinforcement and plastering with 12mm thick cement mortar in cement mortar ( 1 cement : 3 coarse sand ) at any location.	420	Sqmt		

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Sl. No.	Item Description	Qty	Unit	Rate ( in figures & word)	Amount
41	Hacking the roof/ RCC surface with wooden mallet, removal of weakened concrete & removing the debris including stacking in proper place as directed. Applying Rebaklens RR (Fosroc) / equivalent as rust remover by brush to the exposed rusted reinforcement of slab, leave it in contact with surface till the reddish colour of the corroded surface has changed to nearest original black. After 24hrs remove the freed loose rust particles by brush. After removal of loose rust any reddish rusted surface still left to be retraeted with Rebaklens RR (of Fosroc)/equivalent.				
	After the surface totally dries up ( within around 48hrs) a preventive anticorrosive coating for steel ( 2 coats ) Nitozinc primer / equivalent applied as per the manufacture's specification. Then plastering with cement mortar ( 1 cement : 3 coarse sand) 12mm-15mm thick applied including curing, scaffolding charge, finishing , making good the damages caused. Only finished plaster area will be measured for payment at any location.	1540	Sqmt		
42	Supplying & fixing fully glazed fixed ventilator with 6mm thick glass as glazing & anodised aluminium section of size 50.8mm x 38.10mm x 2mm thk. of JINDAL/ INDAL section ( anodised to 15 micron) as frame, both side aluminium clip to fix the glass. Providing neroprene /EDPM gaskets to fix the glass. Sealing the gaps in between aluminium frame & RCC/Plastered surface sealed with polysulphide sealant. Cost includes all material, labour, tax, load, scaffolding charge etc.	7	Sqmt		
43	Supplying & Fixing Water closet ( Orissa Pan) and flushing cistern 10ltr of (Parryware/ Hindware) , white colour including all necessary accessories, removing the existing Water closet and flushing cistern, if required , replacing damaged CI P/S trap with PVC trap, concreting, for fixing in position & making good the damages caused to floor & wall. Cost includes WC pan & PVC low level flushing cistern 10ltr with all accessories. 580 x 440mm with integral foot rest.	82	Set		
44	Removal of existing dado from toilet & Supplying,Fixing Ceramic Glazed tile of ( Somany /Naveen/ Orient) approved size & 5mm thickness with tile adhesive (Bal Endura/ Dr Fixit Fevimate XL/TL / Nitotile) with grouting the joints with waterproof joint filler, with base course of cement mortar ( 1 cement :3 coarse sand) 15mm thick complete at any location.	2762	Sqmt		

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Sl. No.	Item Description	Qty	Unit	Rate ( in figures & word)	Amount
45	Supplying, fixing and laying anti-skid ceramic tiles in all floors at all heights of (300mm x 300mm ) size of (Naveen/Somany/ Orient) make to floor surface conforming to drawings and designs set in cement mortar of proportion 1:3 to proper line and plumb including cutting to required size and shape and fixing at corners splays and chambers etc. and the joints are to be properly finished with white cement with required pigment and curing complete with cost of all labour, materials, taxes, T&P, conveyance etc. as directed by the Engineer / Architect at any location.	830	Sqmt		
46	Supplying, fixing and laying ceramic tiles in all floors at all heights of (300mm x 300mm ) size of (Naveen/Somany/Orient) make to floor surface conforming to drawings and designs set in cement mortar of proportion 1:3 to proper line and plumb including cutting to required size and shape and fixing at corners splays and chambers etc. and the joints are to be properly finished with white cement with required pigment and curing complete with cost of all labour, materials, taxes, T&P, conveyance etc. as directed by the Engineer / Architect at any location.	4877	Sqmt		
47	Supplying & fixing of UPVC plumbing pipe of ASTM1785 Schedule 80 (Heavy Pressure pipe) of brand Finolex / Prince/Astral inside or outside the wall surface or any where as per requirement and threading to be done as per IS 554 (BSPT. Thread) as per manufacturer specification. This rate includes all labour cost for laying, grouting, sealing of wall with cement : mortar 1:4, to make good the wall or floor and jointing material of pipe including socket. This rate includes cost of lead, lift, transportation, ascent, descent, royalty, taxes, complete in all respect as per direction of Engineer-in-charge. Note : - cost includes removing the old pipes if required and complete with all Fitting such as elbow sockets,union,nipples etc. as per the site condition if necessary, making good the damages caused, chasing the wall for concealing the pipe, threading, cutting etc. to complete the work.				
47.1	15mm dia	1175	Meter		
47.2	20mm dia	1025	Meter		
47.3	32mm dia	120	Meter		

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Sl. No.	Item Description	Qty	Unit	Rate ( in figures & word)	Amount
48	Supplying & laying of the PVC (SWR) and rigid PVC soil waste ( Double/ Single socket) and vent pipes of Finolex /Supreme/ Prince make (Confirming to IS-13562) of Selfit type/ring fit type with all fittings such as bend, Tee, Coupler, Y, Reducing Tee, Door cap etc. as per requirement, on the wall surface and below ground and floor level. The rates includes fixing the pipes on wall surface with the PVC clips/clamps including jointing with rubber ring, rubber lubricant, Gasket for PVC (SWR) pipes/solvent cement for rigid PVC pipes to required length. Testing as per the specifications of manufacturer. Necessary earthwork in excavation and filling of the pipeline trenches, providing staging and scaffolding as per requirement at site all complete as per direction of Engineer's-in-charge is inclusive in the rate. The rate also includes all labour, material, transportation, lead, lift, ascent, descent, taxes, royalty etc.				
48.1	160mm dia PVC (SWR) pipe class "A"	678	Meter		
48.2	110 mm dia PVC (SWR) pipe Class 'A' (with wall thick of 2.20 mm to 2.70 mm)	305	Meter		
48.3	75 mm dia PVC (SWR) Pipe Class 'A' (wall thickness of 1.8 mm to 2.20 mm).	142	Meter		
48	Supplying and Fixing Kitchen platform with 18mm thick Cudpa stone slab over 15mm thick cement mortar ( 1 cement : 4 coarse sand ), polishing, pointing the joints with white cement & matched pigment in ( 1:1) including removing the old cladding & base course complete in all respects.at any location	261	Sqmt		
49	Supplying and Fixing Stainless steel sink of Salem stainless steel AISI 304 (18/8) kitchen sink (Nirali/Parryware) as per IS:13983 with CI bracket and stainless steel plug 40mm including painting of fittings and bracket, drain pipe, cutting & making good the walls wherever required at any location.				
49.1	Kitchen sink with drain board 460mm x 915mm bowl depth 178mm.	21	No		
49.2	Kitchen sink without drain board 610mm x 460mm bowl depth 178mm.	40	No		
49.3	Kitchen sink without drain board 510mm x 915mm bowl depth 178mm.	44	No		
50	Supplying & Fixing Wall mixer of Jaquar continental series (Cat no- 219) CP brass including making good the damages including removing the existing fittings	126	No		

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Sl. No.	Item Description	Qty	Unit	Rate ( in figures & word)	Amount
51	Supplying & Fixing Wash basin of white colour of (Parryware/Hindware)approved size with pillar cock (CP brass) -Jaquar continental series , waste pipe (PVC), CP waste coupling , all other necessary accessories to complete the work as per the direction.	82	No		
52	Supplying & Fixing Bib cock of Jaquar continental series (Cat no- 037) CP brass including making good the damages including removing the existing fittings	214	No		
53	Supplying & Fixing Pillar cock of Jaquar continental series (Cat no- 017) CP brass including making good the damages including removing the existing fittings	147	No		
54	Supplying & Fixing long body Bib cock of Jaquar continental series (Cat no- 039) CP brass including making good the damages including removing the existing fittings	105	No		
55	Supplying & Fixing stop cock of Jaquar continental series (Cat no- 051/ 053/ 055/ 59) as required CP brass including making good the damages including removing the existing fittings	420	No		
56	Supplying & Fixing towel rail - 18" of Jaquar continental series (Cat no- 1111) CP brass including making good the damages including removing the existing fittings	170	No		
57	Supplying & Fixing towel ring of Jaquar continental series (Cat no- 1121) CP brass including making good the damages including removing the existing fittings	105	No		
58	Supplying & Fixing soap dish of approved make CP brass including making good the damages including removing the existing fittings	277	No		
59	Supplying & Fixing robe hook of Jaquar continental series (Cat no- 1191) CP brass including making good the damages including removing the existing fittings	170	No		
60	Providing and fixing PVC nahani trap of self cleansing design with approximate 125 / 75 dia hinged grating including the cost of cutting and making good the walls and floors.	122	No		
61	Supplying and Fixing cockroach trap of aproved make including making good the damages	80	No		
62	Supplying & Fixing Water tank 1000 Ltr capacity (Sintex) at any location, necessary arrangement for delivery pipe & overflow pipe arrangement.	21	No		

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Sl. No.	Item Description	Qty	Unit	Rate ( in figures & word)	Amount
63	Providing and injecting Chemical emulsion chloropyriphos 20% E.C. for POST-CONSTRUCTIONAL anti- termite treatment and creating chemical barriers as per I.S. 6313 Part-C (of latest edition)				
63.1	along the external walls below concrete or masonry apron using chemical emulsion @ 2.25ltr / linear meter including drilling and plugging holes etc.	3550	Meter		
63.2	treatment of soil under existing floors using chemical emulsion @ 1ltr / hole, 300mm apart including drilling 12mm diameter holes and plugging with cement mortar 1:2 ( 1 cement : 2 coarse sand) to match the existing floor with chlorpyriphos /Lindane EC 20% with 1% concentration	7190	Sqmt		
63.3	treatment of existing masonry using chemical emulsion @ 1ltr / hole, 300mm apart including drilling holes at 45 deg and plugging with cement mortar 1:2 ( 1 cement : 2 coarse sand) to the full depth of the hole with chlorpyriphos /Lindane EC 20	3115	Mtr		
64	Providing ,fixing steel casement windows side/ top hung manufactured from rolled steel section conforming to latest IS code joints mitred, welded with 15x3mm lugs,10cm long,embedded in cement concrete block (15cmx10cmx10cm ) (1cement: 1.5 coarse sand :3 graded coarse aggregate 12.5mm nominal size) & screws/rawl plugs & screws/ with fixing clips / bolts & nuts as required with pressed steel galvanised fittings ( i.e. 2 point handles 300mm long peg stay etc.) as required with extruded non friction hinges,coupling member,glazing bar,ms handle plates including fixing of glass of 4mm clear/obscured glass with glazing clips,special metal sash putty, cutting holes,making good the damages,painting 2 coats of synthetic enamel paint of approved shade,brand over 2 coats of zinc chromate/metal primer to steel member,cost includes of all materials, hardwares, labour,T&P, tax, fabrication charge etc. complete in	21	Sqmt		
65	Repairs to plaster of thickness 12mm to 20mm in patches of area 2.5sqm and under including cutting the patches in proper shape , raking out joints and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50mtr lead with cement mortar 1:4 ( 1 cement : 4 coarse sand) at any location	440	Sqmt		

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Sl. No.	Item Description	Qty	Unit	Rate ( in figures & word)	Amount
66	Providing & laying Kota stone slabs 18mm thick in risers of steps, skirting, dado and walls laid on 12mm thick base of Cement mortar 1 cement :3 coarse sand and jointed with white cement cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete in all respects at any location	132	Sqmt		
67	Providing & laying screed concrete average 25mm - 40mm thick (polymerised) on the top of the roof in 1:2:4 ( 1 cement : 2 sand : 4 stone chips 6mm down gauge) with waterproofing admixture plastocrete plus/ Dr Fixit Pidiproof LW/FOSROC @ 2% / as per the manufacture's specification confirming to IS-2645 with slope and necessary hunting as per direction of Engineer in charge. average thickness 75mm. Polymers to be added @ 150gm / 50Kg of cement in concrete . at any location	2310	Sqmt		
68	Supplying all materials labour, T&P and providing and fixing to wall or ceiling and floor galvanised mild steel tubes medium grade confirming to IS 1239 part I of Tata make with all fittings, clamps including necessary connections to/ from the existing pipe line, cutting groove in wall & making good the wall, ceiling and floor, testing as per the direction of the EIC at any location				
68.1	20mm dia	28	mtr		
69	Removing old tarfelt from roof slab, cleaning the surface, lowering and removing the debris within 50mt lead at any location.	3080	Sqmt		
	<b>Total</b>			<b>Rs</b>	
	<b>In words:-</b>				
	<i>N.B- If there is discrepancy between rate in words &amp; figures, the rate in words will govern.</i>				
	<i>If there is discrepancy between amount &amp; multiplication of quantity with rate, the real figure will govern over the amount.</i>				

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