



# E-TYPE QUATER (21-30)

**REFERENCES OF DOOR AND WINDOWS**

D	36"X66"
D1	30"X66"
D2	26"X66"
D3	2'10"X6'6"
D4	3'3"X6'6"
W	30"X4'6"
W1	36"X4'6"
W1	60"X4'6"

**SPACE ARCH**  
 ARCHITECT: ENGINEER/INTERIOR DESIGNER  
 205, JAYADEV VIHAR BHUBANESWAR

<b>CONTENTS</b>	
E TYPE QUARTER	
GROUND FLOOR PLAN (WORKING)	
DEALT BY:	P.M.DASH
DATE :	06.03.09
ARCHITECT:-	D.K.PARIDA
SCALE NTS	SHEET NO. 03

WALL TO BE DISMANTALLED 

NEW WALL TO BE CONSTRUCTED 

<b>Bill of Quantities for Addition, Alteration &amp; Renovation of E-Type Quarter for National Institute of Technology, Rourkela.</b>						
Sl. No.	Item Description	Qty	Unit	Rate in figures	Rate in words	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)	2	No			
2	Taking out cement concrete jally / jafri/ MS grill including disposal of debris within 50mtr lead making good the damages cost includes all labour, scaffolding , tools plant complete	4	Sqmt			
3	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)	4	No			

No of corrections:-

No of overwritings:-

No of interpolations:-

Sign of Bidder

Sign of Engineer-in-charge.

Sl. No.	Item Description	Qty	Unit	Rate in figures	Rate in words	Amount
4	Dismantling Brick work at all heights including stacking of servicable material and disposal of unserviceable material with in 50 mtre lead.	6	Cum			
5	Dismantling RCC work in any prporation at all heights including stacking of servicable material and disposal of unserviceable material with in 50 metre lead.	1	Cum			
6	Dismantling cement plaster/ skirting/ dado ( all depths/ all prporation) at all heights including removal of debris within 50mtr lead.	95	Sqmt			
7	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	22	Cum			

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Sl. No.	Item Description	Qty	Unit	Rate in figures	Rate in words	Amount
8	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.	9	Cum			
9	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.	12	Cum			
10	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.	15	Cum			
11	Brick work with locally available KB bricks strength not less than 75Kg/sqcm in cement mortar 1:6 (1 cement : 6 coarse sand) in all width including all material, labour, pointing , curing, scaffolding etc.					

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Sl. No.	Item Description	Qty	Unit	Rate in figures	Rate in words	Amount
11.1	Foundation & plinth	9	Cum			
11.2	Superstructure	12	Cum			
12	Providing Reinforced Cement Concrete work in proportion 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 Triangular polyster fibres cut length-12mm @ 0.25% wt of cement ( 125gm/50kg bag of cement ). The surface of RCC should be finished smooth and in plumb line, 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.	5	Cum			
13	Providing & laying 40mm thick Damp Proof Course in cement concrete ( 1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) with side shuttering, roughening the top surface.	7	Sqmt			

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Sl. No.	Item Description	Qty	Unit	Rate in figures	Rate in words	Amount
14	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 Triangular 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.	85	Sqmt			
15	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 Triangular 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.	95	Sqmt			

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Sl. No.	Item Description	Qty	Unit	Rate in figures	Rate in words	Amount
16	6mm C.P. 1:4 (1 cement : 4 fine sand) to ceiling, soffit of beam, chajja, fin etc. and waterproofing admixture Complast x 4211C (Fosroc) as per manufacture's specification & Recton 3S Triangular polyster 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.	115	Sqmt			
17	Supplying & Fixing glazed window shutter 30mm thick made of locally available second class teak wood with 4mm thick float glass with all necessary hardware 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.	4	Sqmt			

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Sl. No.	Item Description	Qty	Unit	Rate in figures	Rate in words	Amount
18	Providing and fixing pressed steel door frames (Profile C) confirming to IS: 4351 manufactured from commercial mild steel sheet of 1.25 mm thickness including hinges jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25mm, or base ties of 1.25mm pressed mild steel welded or rigidly fixed together by mechanical means, adjustable lugs with split end tail to each jamb including steel butt hinges 2.5mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pretreatment of the surface as directed by Engineer-in-charge	21	Mtr			
19	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	185	Kg			

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Sl. No.	Item Description	Qty	Unit	Rate in figures	Rate in words	Amount
20	Providing andfixing ISI marked steel top hung ventilators of standard rolled steel section joints mitred and welded with iron lugs embedded in cement concrete 1:3:6 blocks or with wooden plugs and screws or with rawl plugs and screws or with fixing clips or with nuts and bolts including providing and fixing 4mm thick glass panes with glazing clips and special metal putty complete including a priming coat of approved steel primer, enamel paint two coats , hinges and pivots including cost of metal beadings and other fittings except necessary hinges or pivots as required.	0.4	Sqm			
21	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)	400	Kg			

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Sl. No.	Item Description	Qty	Unit	Rate in figures	Rate in words	Amount
22	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:					
22.1	Lintel , chajja, fins etc.	20	Sqmt			
22.2	Roof Beam	5	Sqmt			
22.3	Slab	18	Sqmt			
23	Providing bearing plaster over Brick work 20mm thick in cement mortar ( 1:3) with a floating coat of neat cement & bitumen painting at any location.	6	Sqmt			

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Sl. No.	Item Description	Qty	Unit	Rate in figures	Rate in words	Amount
24	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.					
24.1	Over New work (wooden/ steel surface)	6	Sqmt			
24.2	Over old work (wooden / steel surface)	75	Sqmt			

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Sl. No.	Item Description	Qty	Unit	Rate in figures	Rate in words	Amount
25	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.	505	Sqmt			
26	Distemping with 1st quality acrylic washable distemper (ready mixed) of Asian/ Nerolac/ICI and of required shade and colour as per manufacture's specification . Cost includes repairing of cracks, filling the cracks with putty, leveling the undulated surface with exterior grade wall putty to get a level surface. Two or more coats on new work. At any location.	505	Sqmt			
27	Applying one coat of cement primer of approved brand & manufacture on wall surface , distemper primer at any location.	505	Sqmt			

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Sl. No.	Item Description	Qty	Unit	Rate in figures	Rate in words	Amount
28	<p>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.</p>	125	Sqmt			

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Sl. No.	Item Description	Qty	Unit	Rate in figures	Rate in words	Amount
29	Providing & Making Plinth Protection all round the building with bricks of class designation 75 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.	12	Sqmt			
30	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.	45	No			

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Sl. No.	Item Description	Qty	Unit	Rate in figures	Rate in words	Amount
31	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.	18	Mtr			
32	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.	4	Sqmt			
33	Cement concrete flooring with cement concrete (1:2:4) 40mm thick flooring finished with a floating coat of neat cement slurry, rounding off edges, dismantling the existing AS flooring as required and strips and cost of glass strips edging and labour etc. complete.	20	Sqmt			

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Sl. No.	Item Description	Qty	Unit	Rate in figures	Rate in words	Amount
34	Cement Plaster Skirting with C.M. 1:3 finished with a floating coat of neat cement including rounding of junctions & curing complete. 18mm thick	3	Sqm			
35	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 position cost includes all material, hardware, labour, tax,lead,scaffolding charge, T&P, making good the damages etc. complete in all respects as per the direction of Engineer-in-charge.	4	Sqmt			

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Sl. No.	Item Description	Qty	Unit	Rate in figures	Rate in words	Amount
36	<p>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), 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.</p>	5	Mtr			

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Sl. No.	Item Description	Qty	Unit	Rate in figures	Rate in words	Amount
37	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, mullions, 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.	4	Sqmt			

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Sl. No.	Item Description	Qty	Unit	Rate in figures	Rate in words	Amount
38	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 retreated 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.	10	Sqmt			

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Sl. No.	Item Description	Qty	Unit	Rate in figures	Rate in words	Amount
39	Supplying & Fixing Water closet ( Orissa Pan) and flushing cistern 10ltr of (Parryware/ Hindware) , white colour including all necessary accessories, removing the existing Water closet as required 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.	1	Set			
40	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 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 : - W.C. pan with ISI marked white solid plastic seat and lid	1	Set			

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Sl. No.	Item Description	Qty	Unit	Rate in figures	Rate in words	Amount
41	Removal of existing dado from toilet if required & Supplying, Fixing Ceramic Glazed tile of ( Kajaria / Somany / 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) 12mm thick complete. at any location.	32	Sqmt			
42	Supplying, fixing and laying anti-skid ceramic tiles in all floors at all heights of (300mm x 300mm ) size of (Naveen/Kajaria/ Orient) make to floor surface conforming to drawings and designs set in tile adhesive of minimum 5mm thick / as required 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 , levelling the surface, removal of existing tile / flooring as required and curing complete with cost of all labour, materials, taxes, T&P, conveyance etc. as directed by the Engineer / Architect at any location.	9	Sqmt			

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Sl. No.	Item Description	Qty	Unit	Rate in figures	Rate in words	Amount
43	Providing and laying floor tiles of approved make with VC shield jointless floor tile (Veilcraft shield technology ) of sizes (496 mm x 496 mm), 10mm thickness, matt finish with water absorption less than 3% & strength not less than 40N/sqmm ,of approved colour & pattern laid on average 10mm thick tile adhesive (Laticreate/ Bal endura/ Dr Fixit / Nitotile ) & pointing the joints with epoxy grout complete in all respects cost includes all material,labour,tax,lead, cutting,wastage , T&P etc. as directed.	15	Sqm			

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Sl. No.	Item Description	Qty	Unit	Rate in figures	Rate in words	Amount
44	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.					
44.1	15mm dia	15	Meter			
44.2	20mm dia	10	Meter			
44.3	32mm dia	10	Meter			

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Sl. No.	Item Description	Qty	Unit	Rate in figures	Rate in words	Amount
45	<p>Supplying &amp; 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 Selffit 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.</p>					
45.1	160mm dia PVC (SWR) pipe class "A"	12	Meter			

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Sl. No.	Item Description	Qty	Unit	Rate in figures	Rate in words	Amount
45.2	110 mm dia PVC (SWR) pipe Class 'A' (with wall thick of 2.20 mm to 2.70 mm)	10	Meter			
46	Supplying and Fixing Kitchen platform with 18mm thick polished green marble stone slab machine edge moulded over 15mm thick cement mortar ( 1 cement : 4 coarse sand )/ tile adhesive of requisite depth as directed , polishing, pointing the joints with white cement & matched pigment in ( 1:1) including removing the old cladding if required & base course complete in all respects.at any location.	3	Sqmt			
47	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.					
47.1	Kitchen sink without drain board 610mm x 460mm bowl depth 178mm.	1	No			

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Sl. No.	Item Description	Qty	Unit	Rate in figures	Rate in words	Amount
48	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.	2	No			
49	Supplying & Fixing Bib cock of Jaquar continental series (Cat no- 037) CP brass including making good the damages including removing the existing fittings	3	No			
50	Supplying & Fixing Pillar cock of Jaquar continental series (Cat no- 017) CP brass including making good the damages including removing the existing fittings	2	No			
51	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	1	No			

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Sl. No.	Item Description	Qty	Unit	Rate in figures	Rate in words	Amount
52	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	4	No			
53	Supplying & Fixing towel rail - 18" of Jaquar continental series (Cat no- 1111) CP brass including making good the damages including removing the existing fittings	2	No			
54	Supplying & Fixing towel ring of Jaquar continental series (Cat no- 1121) CP brass including making good the damages including removing the existing fittings	1	No			
55	Supplying & Fixing soap dish of approved make CP brass including making good the damages including removing the existing fittings	3	No			
56	Supplying & Fixing robe hook of Jaquar continental series (Cat no- 1191) CP brass including making good the damages including removing the existing fittings	2	No			

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Sl. No.	Item Description	Qty	Unit	Rate in figures	Rate in words	Amount
57	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.	2	No			
59	Supplying and Fixing cockroach trap of approved make including making good the damages	1	No			
60	Providing & fixing 6mm thick beveled edged sheet glass mirror of approved make with 6mm ply BWR grade ply backing & teak wood beading four sides ,CP mirror round clamps and making good the damages as per drawing including cost of all materials, labour, lead, T&P, tax,royalty etc.complete in all respects as per direction of Engineer	0.6	Sqm			

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Sl. No.	Item Description	Qty	Unit	Rate in figures	Rate in words	Amount
61	<p>Providing &amp; applying water proofing treatment to the roof slab at any location over a clean ,levelled surface free from loose foreign material, oil,grease etc. by help of wire bush, vacuum cleaner. Then mixing Dr FIXIT PIDIFIN 2K powder with liquid in ratio ( 2:1) by mechanical mixer to get a consistent mix. The surface to be moistened before application of DR.FIXIT PIDIFIN 2K . Apply the 1st coat of mixed DR. FIXIT PIDIFIN 2K on the surface &amp; allow dry for 4-6 hrs @ 30 deg C. Then 2nd coat to be applied . cost includes all material, labour, scaffolding, curing, T&amp;P etc. complete as per the direction of engineer. Pidicreate MPB will also be applied as per the manufacture's specification.</p>	18	Sqm			

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Sl. No.	Item Description	Qty	Unit	Rate in figures	Rate in words	Amount
62	Providing & Laying screed concrete in proportion ( 1 cement :2 coarse sand :4 stone aggregate 6mm down size ) 50mm thick in proper level , line at all heights & any location , compacting , curing ,all material, labour, scaffolding etc complete in all respects as per the direction of Engineer in charge, ( Rectron 3S added @ 125gm / 50kg of cement)	18	Sqm			
63	Disposal of earth or debris for a lead of 1000mt or part there of by mechanically / manually as directed by the Engineer in charge , cost included loading, unloading, spreading , levelling complete as directed .	5	Cum	x Rs		
64	Providing and fixing on wall face unplasticised PVC moulded fittings/ accessories for unplasticised PVC rain water pipes ( Finolex/ Prince / Supreme ) Class- A conforming to IS : 13592 (Type-A) including jointing with seal ring conforming to IS : 5382 leaving 10mm gap for thermal expansion.					
64.1	110mm dia	6	Mtr			

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Sl. No.	Item Description	Qty	Unit	Rate in figures	Rate in words	Amount
65	Providing and injecting Chemical emulsion chloropyriphos 20% E.C. for POST-CONSTRUCTION anti-termite treatment and creating chemical barriers as per I.S. 6313 Part-C ( of latest edition)					
65.1	along the external walls below concrete or masonry apron using chemical emulsion @ 2.25ltr / linear meter including drilling and plugging holes etc.	35	Meter			
65.2	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 chloropyriphos /Lindane EC 20% with 1% concentration.	75	Sqmt			

No of corrections:-

No of overwritings:-

No of interpolations:-

Sign of Bidder

Sign of Engineer-in-charge.

Sl. No.	Item Description	Qty	Unit	Rate in figures	Rate in words	Amount
65.3	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 chlorpyrifos /Lindane EC 20	45	Mtr			
	<b>Total for 1 no quarter</b>				Rs	
	<b>Cost for 40no quarter</b>			40 x Rs	=	
	<b>IN WORDS:- RUPEES</b>					

No of corrections:-  
No of overwritings:-  
No of interpolations:-

Sign of Bidder

Sign of Engineer-in-charge.