National Bank of Agriculture and Rural Development, Goa Regional Office, Panaji



Renovation work of 12 Apartments at Milroc Ribandar Retreat, Ribandar, Goa

PRICE BID (PART – II)

Name of the Tenderer : - Address : -

Pre – bid Meeting: 11:00 AM on 10 August 2017 at Goa RO, Panaji

Time & Date of submission of tender: Up to 14.00 hrs on 24 August 2017

ESTIMATED VALUE OF WORK - Rs.65.00 LAKH

Project: RENOVATION OF 12 APARTMENTS AT MILROC RIBANDAR RETREAT VARIOUS APARTMENTS							
Employer :NABARD GOA	Employer :NABARD GOA						
A:TOTAL PROJECT SUMMARY							
	Amount						
Type 1							
Type 2							
Type 3							
TOTAL							

Date:	
	SIGNATURE OF CONTRACTOR
Place:	WITH SEAL

Project: RENOVATION OF 12 APARTMENTS AT MILROC RIBANDAR RETREAT UNIT TYPE 1 (90 SQM) **Employer : NABARD GOA** Summary of Works - TYPE 1 (90 SQM) SR. NO. AMOUNT (Rs) **DESCRIPTION** 1.0 CIVIL WORK 2.0 INTERIOR WORK 3.0 PLUMBING WORK 4.0 **ELECTRICAL WORK TOTAL OF WORKS**

Date	:
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	Project: RENOVATION OF 12 APARTMENTS AT MILROC RIBANDAR RETREAT UNIT TYPE 1 (90 SQM)							
SR.	Employer :	NABARD GOA ESTIMATED	UNIT	RATE (In	AMOUNT			
NO.		QUANTITY		Rupees) In Figures	(Rs.)			
Α	CIVIL WORKS							
1.00	Dismantlement of existing wall, wall tiles, toilet dado, toilet sunk, toilet flooring, kitchen platform with supports, kitchen dado, skirting, room flooring and additional civil work as per instructions of the Consultant & safely taking away from the site outside Milroc Ribandar Retreat coloy premises, both serviceable & unserviceable materials which are obtained from the dismantlement of the civil work and carrying out the dismantlement in a manner as directed at site in whole or in parts as feasible as per the direction of Engineer etc.	49.13	Cu M					
2.00	complete. Dismantling and removing door hardware, plumbing & sanitary fittings including water supply, drainage & sewage pipes, clearing away the debris out of Milroc Ribandar Retreat colony premises and stacking the dismantled pipes and sanitary fittings for buy back	LUMPSUM						
3.00	Clean the sunken slab of toilet thoroughly with wire brush and remove the adhered plastering and dirt completely and wash the surface with water completely and leave the surface for drying. Providing waterproofing treatment consisting of one layer of acrylic polymer modified cementitious slurry in 1:2 proportion (1: polymer, 2: cement) by weight and followed by topping with mix of cement, acrylic based polymer and siliica sand in 1:2:2 proportion including corner fillet of horizontal and vertical layers as per manufacturer's specifications and with 10 years guarantee. (Plan area to be measured) for toilet block will include coat upto 1m height from floor level as per terms & conditions.	32.68	Sqm					
4.00	Providing and laying reinforced cement concrete of grade M25 (mix design) with coarse sand and graded granitic or basaltic stone aggregate 20 mm nominal size as per mix design requirements excluding plastering and cost of							

		tering shuttering and reinforcement m Ground to Second Floor			
	i	Lintels (23cm x 15cm)	6.12	RM	
	ii	Loft Slab (12cm)	0.68	Cu M	
5.00	Half	f Brick masonary in cement mortar			
		(1 cement : 4 coarse sand) with RCC			
		block (100mmx100mm) at every			
		mm height with 2no's 8dia on top &			
		o's 12 dia at bottom and 8mm dia			
	i	s at 300mm c/c reinforcement With bricks of class designation 60			
	'	kg /sqcm : at all heights (Burnt			
		bricks from Khanapur or			
		equivalent).			
	a)	Store Wall	6.97	Sq.m.	
6.00		stering: Providing and applying	13.94	Sqm	
0.00		ster in CM 1:5 (1 cement : 5 sand)	13.54	Jqiii	
		out 15 mm thickness on the newly			
		structed partition walls/old walls and			
		pproved in patches including			
		nantling of the old damaged plaster,			
	pre	paring the surface of new plaster,			
	curi	ng of new plaster, scaffolding, etc.			
		nplete as directed. The plaster has to			
		done in patches or stretches and to			
		tch the adjoining surfaces, sealing the			
		ck in plaster with suitable crack seal			
		necessary [Area of cement plaster re than 0.10 Sq.m. at one stretch for			
		airs only will be considered for			
		ment. Prior approval for plastering			
		h areas should be taken from the			
		sultant and the area of plastering			
		uld be measured in the presence of			
	Rep	resentative of NABARD. The rate			
	sho	uld include cost of all materials,			
	labo	our charge, curing, disposing off the			
		ris, cleaning the area thoroughly etc			
	+	nplete as directed.			
7.00		viding and Fixing Skirting 100mm	272.80	RM	
	_	n of approved variety of premium			
		lity polished vitrified tiles (of approx. e 600 mm x 600 mm(upto 5% ±			
		iation in size), 10mm thick, in proper			
		and level with cement and sand			
		tar of approved make in necessary			
		kness.The joints shall be filled with			
		ting compound of matching colour.			
	1 -	rate quoted should include for the			
		t of all materials, labour charges,			
	curi	ng, cleaning the surface to remove			
		he loose mortars / dust particles to			
		eive new skirting, etc complete as			
		ected by engineer. The basic price of			
	vitri	ified tile- Rs.750 per sqm (upto 5% ±			

	Variation in rate) Approved make: RAK/ Nitco/ Somany/ Johnson/ Kajaria.			
8.00	Providing and Fixing of approved variety of premium quality polished vitrified tiles of approx. Size 600 mm x 600 mm, 10mm thick, in proper line and level with cement and sand motar in necessary thickness. The joints shall be filled with jointing compound of matching colour. The rate quoted should include for the cost of all materials, labour charges, curing, cleaning the surface to remove all the loose mortars / dust particles to receive new flooring etc complete as directed by the Engineer. The basic price of vitrified tile- Rs.750 per sqm (upto 5% ± Variation in rate) Approved make: RAK/ Nitco/ Somany/ Johnson/ Kajaria.	272.80	Sqm	
9.00	Providing and Fixing Approved make glazed ceramic tiles of size 300mm x 600mm or 300mm x 450mm(upto 5% ± Variation in size) as per selection by owner for wall dado in Toilet & Kitchen with cement grout after applying a layer of cement mortar 1:3 of 12-15mm thick mixed with water proofing compound and tile joints shall be filled with jointing compound of matching colour mixed with water proofing compound complete as directed including cost of all materials, labour charges, curing etc. Complete.The surface should be brought to proper level by plastering the areas as per requirement before tiling work and no separate payment will be made in this account. The basic price of vitrified tile- Rs.750 per sqm (upto 5% ± Variation in rate) Approved make: RAK/ Nitco/ Somany/ Johnson/ Kajaria	214.93	Sqm	
10.00	Providing and Fixing of approved make antiskid ceramic tiles of size 300mm x 300mm for flooring of toilet/bathrooms over a bed of 20mm thick cement mortar 1:4, mixed with water proofing compound. The tile joints shall be filled with jointing compound of matching colour mixed with water proofing compound complete as directed. The rate should include cost of all materials, labour charges, curing etc. Complete. The surface for tiling should be brought to proper level using cement mortar as per requirement before tiling work and no separate payment will be made on this account. The basic price of vitrified tile- Rs.450 per sqm (upto 5% ±	27.05	SQM	

	Variation in rate) Approved make: RAK/ Nitco/ Somany/ Johnson/ Kajaria.			
	The state of the s			
11.00	Supplying and fixing 18mm thick, one side mirror polished machine cut "Jet Black" colour granite slab for kitchen platform / for making frames for	17.24	RM	
	doors/ventilators including making facing the edge bull nose moulding with			
	matching polishing to give high gloss			
	finish etc complete and sealing all the joints with epoxy resin based adhesive			
	including cleaning, etc complete as directed. In kitchen, the granite slab is to			
	be fixed over Marine Plywood cage in width 650mm with 2 sides and rear edge			
	of the granite slab shall be embedded 40mm into the wall. No deduction will			
	be made for area of granite cut for sink including cost for cutting hole for fixing			
	sink, cost of all materials, labour charges, curing etc. Complete.			
12.00	Birla White Wall Care Putty: Providing	13.94	Sq.m.	
	and applying 2 or more coats of Birla	20.0		
	Putty SF & MF suitably on the			
	walls/ceiling on the cleaned surface as			
	per manufacturer specifications			
	complete as directed. The plastered			
	surface after scrapping and patch			
	plastering may be brought to level by			
	applying one coat of Birla putty MF to			
	required thickness (not more than 3mm			
	thickness). Then make the surface			
	extremely smooth with one or two coats			
	of Birla Putty SF to required thickness			
	(not more than 1.5mm thick). The			
	unevenness on the surface may be			
	removed by gently levelling the surface			
	with very fine water proof emery paper,			
	not less than 500 number, to get a glossy			
	white surface. The surface should be			
	brought to proper line and level to such			
	an extent that no undulations could be			
	visible and all the edges and corners			
	should be finished very sharp to look like			
	a narrow hair line. The work includes			
	cost of all materials, labour charge, scaffolding charges etc. Complete.			
	scarrolumg charges etc. Complete.			

13.00	Acrylic Paint - Interior Emulsion - For	1058.82	sqm	
13.00	officer quarters : Providing and applying	1030.02	34111	
	two or more coats of good quality			
	acrylic emulsion washable paint like			
	Premium Emulsion of Asian Paint and			
	Beauty Gold washable emulsion of			
	Nerolac, of approved manufacturer and			
	shade as per specifications on interior			
	surfaces of walls, ceilings etc including			
	cleaning the area thoroughly to remove			
	even small patches or marks of old/new			
	paint using suitable cleaning materials			
	etc.after cleaning the area, putty repair			
	and sanding with emery paper, primer			
	touch up & finishing with Premium			
	acrylic emulsion paint of Asian paints or			
	equivalent complete as directed by			
	consultant and disposing off the debris.			
	Additional payment for Putty shall be			
	made only if Putty Repair is more than			
	0.1 sqm in any patch taken up for repair			
14.00	Providing & applying Two or more coats	46.00	sqm	
14.00	of Good Quality Synthetic Enamel Paint	40.00	34111	
	of Asian Paints or Equivalent make and			
	Shade as per directions of Consultant on			
	Window Grills including cleaning the			
	surface of dirt or loose particles ,sanding			
	with emery paper, applying 1 coat of			
	Red oxide primer and 2 coats of			
	Synthetic Enamel paint and making good			
	surrounding surfaces after completion of			
	work			
15.00	Anti-Termite Treatment along with ant	360.00	sqm	
15.00	and cockroach treatment for all areas &	500.00	34	
	Woodwork			
	TOTAL AMOUNT OF CVIL WORK			

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	ct: RENOVATION OF 12 APARTMENTS AT MILRO over:NABARD GOA				<u> </u>
SR. NO.	ITEM OF WORK	ESTIMATED QUANTITY	UNIT	RATE (In Rupees) In Figures	AMOUNT (Rs.)
В	INTERIOR WORKS				
1.00	Polishing: Providing and applying polish on wood work, doors, pelmets, etc. With two or more coats of French spirit polish of approved tint to obtain smooth and glossy finish as per manufacturer specifications. The surfaces should be prepared by removing the dirt and dust completely from the surface by sanding with emery paper 180 followed by smooth sanding with emery paper 320 or 400 and the cracks on the surface should be filled with suitable crack seal to make the surface extremely smooth before the application of				
	polish etc. complete as directed.				
	a Door	50.40	SQM		
	b Frames	45.60	RM		
2.00	Providing and fixing First quality 4mm thk Veneer (Basic Price Rs. 120.sqft) over 4mm thk Ply (Basic Price Rs.45/sqft of Greenply or equivalent make, in approved design & shade with suitable adhesive on Existing maindoors on both sides of the shutter as per design. The surfaces of shutter & door frame shall be prepared by removing dust completely from the surface by sanding with emery paper. Ply /veneer is to be fixed with suitable adhesive(Fevicol SH or equivalent) and finished with French polish (Rate for Applying French polish not to be considered in this item)	16.80	SQM		
	a Main Door	16.80	SQM		
3.00	Providing and fixing First quality 1mm thk Laminate sheet of size 8'x4' of Basic Price Rs.1300/sheet of Approved make, design & shade on Existing flush doors on both sides of the shutter as per size and Door Frame shall be finished in 1 coat Synthetic enamel Primer & 2 Coats synthetic enamel paint of approved make & shade. The surfaces of shutter & door frame shall be prepared by removing dust completely from the surface by sanding with emery paper and filling of cracks with crackseal. Laminate to be fixed with suitable adhesive (Fevicol SH or equivalent)				
	a 1mm thick laminate cladding (size 8' x 4')	24.00	sheets		
	b synthetic enamel paint	62.40	RM	+	+

4.00	Dra	aviding and fiving Haavy duty Prace			1	
4.00		oviding and fixing Heavy duty Brass				
		rdware to existing doors of Approved make, sign and finish.				
	a	Hinges 40mmx100mm x 2 mm thk of	136.00	No's		
	а	approved design and Antique finish or	130.00	100 3		
		equivalent.				
	b	Tower bolt of length 8" of approved make	28.00	No's		
		& design & having Antique Finish or	20.00	1100		
		equivalent.				
	С	180 degree Hinges30mmx100mm x 1 mm	24.00	No's		
		thk of approved design and Antique finish				
		or equivalent.				
	d	Chain Latch of approved make & design &	4.00	No's		
		having Antique Finish or equivalent.				
	е	Mortice Handle with lock pf approved	12.00	No's		
		make & design & having Antique finish or				
		equivalent and Keyhole - outside & Turn				
		Knob- Inside				
	f	Cylindrical lock of approved make &	12.00	No's		
		design & having Antique finish brass and				
		Keyhole - outside & Turn Knob- Inside	4.00			
	g	Aldrop (10") of approved make & design	4.00	No's		
	i	and having Antique finish or equivalent Handle (8") of approved make & design	16.00	No's		
	1	and having Antique finish or equivalent	16.00	NO S		
	1	Peep hole pf approved make & design	4.00	No's		
		having Antique finish or equivalent	4.00	1003		
	k	door stopper	32.00	No's		
	ı	door magnet	20.00	No's		
	m	door buffer	4.00	No's		
	n	Aluminium Handle (125 mm)	32.00	No's		
		· · · · · · · · · · · · · · · · · · ·		NO's		
	0	SS Hinge (75mmx20mm)	64.00			
5.00	р	Aluminium Tower Bolt (4 ")	32.00	No's		
5.00		oviding and fixing 30mm thick Moulded	8.00	No's		
		nel doors with PVC sheets factory pressed				
		both sides in wood textured finish of LPATARU or equivalent make for				
		throoms/toilets.The doors should be fitted				
	keeping proper alignment with 3 numbers of 100mm x 40mm brass hinges. The rate should					
		clude for fixing of new hardware fixtures				
		ch as aldrop, handle, tower bolt, cost of all				
		aterials for fixing, labour etc complete as				
		ected by the Consultant.				
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F		l		
6.00	Providing, supplying and installing Cabinet	14.66	SQM	
	over loft with shutters & frame as per drawing			
	provided by consultant and as per the			
	following specifications. The frame work or			
	carcass of the cabinet's drawer			
	fascia/sides/bottom/shelves etc. shall be			
	made out of 19mm thk Commercial			
	Blockboard of approved make(Kit Gold,			
	Greenply, WIP or equivalent) with 6mm			
	x20mm TW edge beading.			
	c) The shutters shall be made out of 19mm			
	thick Blockboard of approved make (Kit Gold,			
	Greenply, WIP or equivalent). Each shutter			
	shall be fixed to the frame work/carcass using			
	2 numbers of best quality EURO type slip			
	, , , , ,			
	hinges(Ebco, Hetich or approved equivalent			
	make) and provided with an approved quality			
	and profile brush finished SS handle(minimum			
	75mm long).			
	d) The unit shall be firmly fixed to the walls			
	using SS screws of appropriate size and rawl			
	plugs. e) The shelves shall be supported on			
	approved quality SS pins. f) All exposed			
	surfaces and internal surfaces of the units and			
	drawer fascia shall be provided with laminate			
	cladding having thickness 1mm and 0.8mm			
	respectively with approved colour and factory			
	machine pressed pasting using approved			
	quality and make synthetic resin based			
	adhesive (Fevicol, Vamicol or approved			
	equivalent) etc.			
	g) The edges of the plywood shall be provided			
	with suitable best quality lippings. h)			
	Measurement will be taken on the basis of			
	sqm of cabinet front facade basis.			
7.00	Fabricating, supplying and installing Under	4.00	Lumneum	
7.00		4.00	Lumpsum	
	counter Kitchen units of Sleek or Equivalent			
	make 870mm high and 600mm depth as per			
	design suuplied by consultant.of the cabinet			
	.The base units shall have Top, Bottom, Sides			
	& Shutters shall be in 18mm thk Marine Ply			
	with Post Formed Laminate and Egde banding,			
	Shutters to be fixed to carcass with Hinges			
	with soft closing mechanism in Stainless steel			
	of Hettich or equivalent make, Drawer units to			
	be fixed to carcass with Stainless steel			
	Telescopic Drawer Slides of 35kg with soft			
	closing mechanism in Hettich or equivalent			
	make. Following Baskets in SS 304 grade of			
	Local make must be present in the kitchen unit			
	SINK BASE (650MM WIDE): SS BIN HOLDER, SS			
	DET HOLDERBASE CABINET (700MM WIDE) :			
	SS SINGLE PULLOUT RIGHT BLIND			
	CORNER BASE (1100MM WIDE: SS CYLIN TR.			
	BASEUNIT 1 DRAWER (200MM WIDE): SS			
	SINGLE PULLOUT BASEUNIT 3 DRAWER			
	(600MM WIDE) SS PERF CUTLERY 100MM HT,			
	(OUDIVIIVI VVIDE) 33 PERF CUTLERY TUUIVIIVI HT,			

	SS PLAIN BASKET100MM HT & 200MMHT, BASE UNIT 1 DRAWER 300M WIDE: SS SINGLE PULLOUT, BASEUNIT 2 DRAWER 550MM WIDE: 2 NO'S SS PLAIN BASKET 200MM HT Including Handles cost upto Rs. 150/piece to be included in price and shall be as per Consultant's selection.			
8.00	Supply & installation of sidehung openable Bare Aluminium aluminium windows (including frame, shutter & accessories) having 20 series section & frames of Hindalco or equivalent and minimum 1.20mm section thickness(18 gauge), Glass 5mm thk 1-way of Saint Gobain or equivalent, z- hinges on top and bottom of each shutter in stainless steel of Ebco make or equivalent, New Handle Lock with Locking arrangement of Ebco or equivalent, air gaps to be sealed with silicon sealent, EPDM gaskets, including all accesories and fastenings etc. complete.	26.34		
9.00	Providing & Fixing Heavy duty Curtain Rod 25mm dia of SS(314 grade) with End & Center brackets as necessary in 18 gauge SS 314 grade above window lintel for the purpose of of hanging Eyelet Curtains			
	a Bracket Sets	24.00	NO's	
	b SS Rod 25mm dia	32.80	RM	-
10.00	Providing & Fixing PVC Grid Jali min 2mm thk having 25mmx 25mm on inner side of balcony railing upto full ht & length of railing with necessary SS (316 grade) Screws & Hardware complete.	22.44	SQM	
11.00	Wall Mounting Retractable Type 5 Rows Clothes Lines for drying clothes	4.00	NO's	
	TOTAL AMOUNT OF INTERIOR WORK			

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	yer :NAE		NTS AT MILROC RIBANDAR RETREA	AT UNIT TYPE	L (30 3QI	v 1.)	
SR. NO.	<u>, </u>	WORK		ESTIMATED QUANTITY	UNIT	RATE (Rs.) In Figures	Amount (Rs.)
С	PLUME	NG WORKS					
а	WATE	SUPPLY					
	1.00	INTERNAL WATER SU	PPLY				
		Providing and fixing te	sted Astral CPVC Astm D2846				
		SDR 11 UPTO2" and be	eyond 2" as per Astm Sch.40				
		F 441 pipes including r	necessary specials, etc.				
		complete as directed,	including hydraulic				
		testing at 10.54Kg pre	ssure				
		(Internal work)					
		i 15 mm nominal	bore	60.00	RM		
		ii. 20 mm nominal	bore	46.00	RM		
	2.00	Jaquar (Continental) o	top cock with CP wall flange of r equivalent approved make bour material handling etc. and	8.00	Nos.		
b	INTER	AL DRAINAGE WORK					
	1.00	Basin drainage of apportune TEE, junction, junction battens, brackets, sup	Omm dia PVC Pipe for Wash roved make including bend, with access door, 'Y' Junction, ports with fasteners, as a complete (single / double)	15.60	RM		
	2.00	Providing and fixing rig rain water drainage pi including bend, TEE, ju door, 'Y' Junction, batt	gid PVC S.W.R. (soil, waste & pes of approved make inction, junction with access ens, brackets, supports with lubricant etc. complete				
		i. 75 mm dia. SWR	PVC PIPE	38.80	RM		
		ii. 110 mm dia.		25.60	RM		
	3.00	protection and PVC jal	/C Nahani Trap with cockroach i 100mm dia, complete ng and making good the floor	16.00	NO's		
С	SANIT	RY FITTINGS					
	1.00	Mounted water close Colour with PVC Cister duty seat and lid with proof coupling of appr complete, including cu	amic European type Floor t of approved Make Design & on of Capacity 10 lts , heavy with brackets and mosquito roved municipal design atting and making good the e required, as specified. Brand				
		i. W.C.		8.00	Nos.		

2.00	Providing & Fixing Ceramic Wash basin full set of size not less than 16"x 21" of Approved make, design & colour including CP bottle trap, CP brass waste coupling, Rag Bolts complete including cutting and making good the walls wherever required. With joints filled with White Cement. Jaguar ARS-WHT-39801			
	i. Flat back wash basin with pedestal	12.00	Nos.	
3.00	Providing & Fixing S.S. Kitchen Sink with bowl size 450 x 375 with 190 mm depth including making connection of outlet etc. complete as specified. Franke			
	i. S.S. sink with drain broad	4.00	Nos.	
4.00	Providing & Fixing Jaguar continental or equivalent make Pillar cock including cost of all materials, labour charges etc. complete. Jaguar OPP-CHR-15001PM	8.00	Nos.	
5.00	Providing & Fixing of Jaguar continental or equivalent make2 way bibcock including cost of all materials, labour charges etc complete. Jaguar OPP-CHR-15041PM	8.00	Nos.	
6.00	Providing & Fixing Jaquar continental or equivalent make Angle cock including cost of all materials, labour charges etc complete. Jaguar OPP-CHR-15053PM	40.00	Nos.	
7.00	Providing & Fixing Jaquar continental or equivalent make health faucet complete set with 1 m long PVC pipe including cost of all materials, labour charges etc complete. Jaguar ALD-CHR-573	8.00	Nos.	
8.00	Providing and fixing Shower assembly with C.P. pressure adjustable Shower Rose, C P Shower Arm, C P Spout, C P Single Lever divertor, C P Wall flange etc complete as directed (Jaguar or equivalent approved make). Jaguar SHA-CHR-479L300	8.00	Nos.	
9.00	Providing & Fixing of Jaguar continental or equivalent make Kitchen Faucet with Swivel arm of jaguar (Continental) or equivalent make including cost of all materials, labour charges etc complete. Jaguar FLR-CHR-5357N	4.00	No's	
10.00	Providing & Fixing 600 x 120 mm glass shelf with C.P. brass brackets and guard rail complete fixed to wooden cleats with C.P. brass screws, as specified. Jaguar ACN-CHR-1171N	8.00	Nos.	
11.00	Providing & Fixing C.P. brass towel rail complete with C.P. brass brackets fixed to wooden cleats with C.P. brass screws, as specified. Jaguar AQN-CHR-7711			
	i. 600 x 20 mm size	8.00	Nos.	
12.00	Providing & Fixing toilet paper holder as specified. :Jaguar AQN-CHR-7751			
	i. C.P. Toilet roll Holder	8.00	Nos.	
13.00	Providing & Fixing of CP round towel ring of approved makewith necessary anti corrossive screws etc. Complete. Jaquar AQN-CHR-7721	8.00	Nos.	

14.00	Providing & Fixing SS or CP Robe hook with minimum 2 hooks of Jaguar make with necessary anti-corrosive screws etc. Complete. Jaguar AQN-CHR-7761	8.00	Nos.	
15.00	· · · · · · · · · · · · · · · · · · ·	8.00	Nos.	
16.00	Providing & Fixing 450mm x 600mm size, wall mirror with inbuilt storage with mirror 4mm thick of Saint Gobain/Modi guard and storage of PVC / Fibre in heavy duty material with shutter / magnet/ handles complete.	8.00	Nos.	
ТОТА	L AMOUNT OF PLUMBING WORK			

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	ct: RENOVATION OF 12 APARTMENTS AT MILROC RI	BANDAR RETR	EAT UN	IIT TYPE 1 (90 S	QM)
SR. NO.	oyer :NABARD GOA ITEM OF WORK	ESTIMATED QUANTITY	UNIT	RATE (In Rupees) In Figures	AMOUNT (Rs.)
D	ELECTRICAL WORKS	1			
A	Supply, Installation Testing & commissioning of point wiring using 1.5sqmm x 2 + 1.5sqmm copper multi-strand wire for Phase & neutral in 20mm pvc conduit with, concealed boxes with 10A Anchor Roma accessories & required accessories. Upto 6m length				
A1	LIGHT POINT	76	Nos.		
A2	TWO WAY LIGHT POINT	4	Nos.		
А3	FAN POINT	20	Nos.		
Α4	TWO WAY FAN POINT	12	Nos.		
A5	EXHUAST FAN POINT	12	Nos.		
A6	BELL POINT	4	Nos.		
A7	10A PLUG POINT ON BOARD (HALF POINT)	20	Nos.		
A8	10A PLUG POINT INDEPENDENT	40	Nos.		
A9	Fixing of 10L CAPACITY STORAGE WATER GEYSER (VERTICAL TYPE) OF RACOLD WITH SUPPORT	8	Nos.		
A10	Fixing of 1200MM DIA CEILING FAN OF HAVELLS MAKE WITH CAPPING, ROD, BRACKETS & BOLTS COMPLETE	20	Nos.		
A11	Fixing of WATER PURIFIER WITH ACTIVATED CARBON & UV/UF FILTER OF AQUAGUARD MAKE	4	Nos.		
В	Supply, Installation, Testing & commissioning of point wiring using 2X4sqmm + 1X2.5sqmm copper multi-strand wire for Phase & neutral & earthing in 20mm pvc conduit with, concealed box with 20A Anchor Roma switch & socket plate & required accessories. For AC point consider MCB in lieu of Switch				
B1	20A POWER POINT INDEPENDENT	12	Nos.		
B2	AC POINT (With MCB instead of Switch)	12	Nos.		
В3	GYSER POINT	8	Nos.		
С	Supply ,Installation, Testing & commissioning of circuit wiring using 2.5sqmm x 2 + 1.5sqmm x 1 copper multi-strand wire for Phase & neutral & earthing in 20mm pvc conduit & required accessories.				
C1	2.5sqmm x 2 + 1.5sqmm x 1 CIRCUIT WIRING	648	mtr		
C2	4sqmm x 2 + 1.5sqmm x 1 CIRCUIT WIRING	360	mtr		
D	Supply ,Installation, Testing & commissioning of Main Circuit wiring using 6sqmm x 4 + 4sqmm x 1 copper multi-strand wire for 3Phase & neutral & earthing in 25mm pvc conduit & required accessories. From meter room to DB				
D1	6sqmm x 4 + 2.5sqmm x 1c MAIN CIRCUIT	60	mtr		

Ε	Supply, Installation Testing & commissioning				
	of T.V. & Telephone point wiring using RG-6 or				
	3pair telephone wire in 20mm pvc conduit				
	with, concealed boxes with Anchor Dyna				
	switch plate & required accessories.				
E1	T.V. POINT	12	Nos.		
E2	TELEPHONE POINT	8	Nos.		
G	Supply, Installation Testing & commissioning				
	PLATE TYPE EARTHING using 600 X 600 X 6MM				
	GI Plate Duly erected as PER IS3043 with				
	required Material & accessories.				
G1	EARTHING PIT	NA	nos		
G2	8SWG GI EARTH WIRE FORM DB to SHAFT	60	KGS		
G3	25MM X 3MM GI EARTHING STRIP	NA	KGS		
Н	Installation, Testing & commissioning of				
	ENERGY METER with required accessories,				
	Lead from Main Isolating Switch, cut out &				
	Meter				
1	3 PHASE ENERGY METER	4	nos		
1	Installation, Testing & commissioning of DB	4	nos		
	with required accessories.				
	12 WAY ETPN DB as required, (Lighting &				
	Power DB)				
	1 No. Double door ETPN DB enclosure IP-43				
	with PPI Kit.				
	Incommer-				
	1 No.63A 4P MCB with 3 nos. 40 A DP, 30 mA				
	RCCB				
	Outgoings-				
	30 Nos. 10/16/25A SP MCB, C Curve.				
	Necessary blank plates (if require),				
	interconnection and accessories.				
	TOTAL AMOUNT OF ELECTRICAL WORK				
MATE	RIAL:- PVC CONDUIT:- PRECISSION AND ACCESSORIES	, CONCEAL BO	XES :- Al	NCHOR OR LEGI	RAND,
SWIT	CHES & ACCESSORIES :- ANCHOR VOILA OR LEGRAND A	ARTEOR , WIRE	S :- ANC	HOR , RR CABLE	S,
	NOLEX ,CABLES :- POLYCAB , RAJ CAB or RAJANIGANDI			, LEGRAND or	SCHNIDER ,
MAIN	SWITCH, BUSBAR :- KEW , HPL SOCHOMAC , SCHNIDE	R , CABLE TRY	:- GI ,		
I - 4					

Date:

Place: SIGNATURE OF CONTRACTOR WITH SEAL

EARTHING :- CHEMICAL OR TRADITIONAL

Project	Project: RENOVATION OF 12 APARTMENTS AT MILROC RIBANDAR RETREAT UNIT TYPE 2 (60 SQM)						
Employ	Employer :NABARD GOA						
Summa	ry of Works - TYPE 2 (60 SQM)						
SR.	DESCRIPTION	AMOUNT (Rs)					
NO.							
1.0	CIVIL WORK						
1.0	CIVIE WORK						
2.0	INTERIOR WORK						
3.0	PLUMBING WORK						
4.0	ELECTRICAL WORK						
	TOTAL OF WORKS						

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Project: RENOVATION OF 12 APARTMENTS AT MILROC RIBANDAR RETREAT UNIT TYPE 2 (60 SQM)						
Emplo	yer : NABARD GOA					
SR. NO.	ITEM OF WORK	ESTIMATED QUANTITY	UNIT	RATE (In Rupees) In Figures	AMOUNT (Rs.)	
Α	CIVIL WORKS					
1.00	Dismantlement of existing wall, toilet dado, toilet sunk, toilet flooring, kitchen platform with supports, kitchen dado, skirting, room flooring and additional civil material as per instructions of the Consultant & safely taking away from the site outside Milroc Ribandar Retreat coloy premises, both serviceable & unserviceable materials which are obtained from the dismantlement of the civil work and carrying out the dismantlement in a manner as directed at site in whole or in parts as feasible as per the direction of	30.82	Cu M			
2.00	Engineer etc. complete. Dismantling and removing door hardware, plumbing & sanitary fittings including water supply, drainage & sewage pipes, clearing away the debris out of Milroc Ribandar Retreat colony premises and stacking the dismantled pipes and sanitary fittings for buy back	LUMPSUM				
4.00	Clean the sunken slab of toilet thoroughly with wire brush and remove the adhered plastering and dirt completely and wash the surface with water completely and leave the surface for drying. Providing waterproofing treatment consisting of one layer of acrylic polymer modified cementitious slurry in 1:2 proportion (1: polymer, 2: cement) by weight and followed by topping with mix of cement, acrylic based polymer and siliica sand in 1:2:2 proportion including corner fillet of horizontal and vertical layers as per manufacturer's specifications and with 10 years guarantee. (Plan area to be measured) for toilet block will include coat upto 1m height from floor level as per terms & conditions. Providing and laying reinforced cement concrete of grade M25 (mix	15.91	Sqm			
- 3	cement concrete of grade M25 (mix design) with coarse sand and graded granitic or basaltic stone aggregate 20					

	mana manainal sias as man maiy dasian			
	mm nominal size as per mix design			
	requirements excluding plastering and			
	cost of centering shuttering and			
	reinforcement from Ground to Second			
	Floor			
	ii Loft Slab (12cm)	0.62	RM	
5.00	Plastering: Providing and applying	15.00	Sqm	
	plaster in CM 1:5 (1 cement : 5 sand)			
	about 15 mm thickness on the newly			
	constructed partition walls/old walls			
	and as approved in patches including			
	dismantling of the old damaged			
	plaster, preparing the surface of new			
	plaster, curing of new plaster,			
	scaffolding, etc. complete as directed.			
	The plaster has to be done in patches			
	or stretches and to match the			
	adjoining surfaces, sealing the crack in			
	plaster with suitable crack seal as			
	necessary [Area of cement plaster			
	more than 0.10 Sq.m. at one stretch			
	for repairs only will be considered for			
	payment. Prior approval for plastering			
	such areas should be taken from the			
	Consultant and the area of plastering			
	should be measured in the presence			
	of Representative of NABARD. The			
	rate should include cost of all			
	materials, labour charge, curing,			
	disposing off the debris, cleaning the			
	area thoroughly etc complete as			
	directed.			
6.00	Providing and Fixing Skirting 100mm	154.50	RM	
	high of approved variety of premium			
	quality polished vitrified tiles (of			
	approx. Size 600 mm x 600 mm (upto			
	5% ± Variation in size), 10mm thick, in			
	proper line and level with cement and			
	sand motar of approved make in			
	necessary thickness. The joints shall			
	be filled with jointing compound of			
	matching colour. The rate quoted			
	should include for the cost of all			
	materials, labour charges, curing,			
	cleaning the surface to remove all the			
	loose mortars / dust particles to			
	receive new skirting, etc complete as			
	directed by engineer. The basic price			
	of vitrified tile- Rs.750 per sqm (upto			
	5% ± Variation in rate) Approved			
	make: RAK/ Nitco/ Somany/ Johnson/			
	Kajaria.			

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7.00	Providing and Fixing of approved variety of premium quality polished vitrified tiles of approx. Size 600 mm x 600 mm, 10mm thick, in proper line and level with cement and sand motar in necessary thickness. The joints shall be filled with jointing compound of matching colour. The rate quoted should include for the cost of all materials, labour charges, curing, cleaning the surface to remove all the loose mortars / dust particles to receive new flooring etc complete as directed by the Engineer. The basic price of vitrified tile- Rs.750 per sqm (upto 5% ± Variation in rate) Approved make: RAK/ Nitco/ Somany/ Johnson/ Kajaria.	154.50	Sqm	
8.00	Providing and Fixing Approved make glazed ceramic tiles of size 300mm x 600mm or 300mm x 450mm(upto 5% ± Variation in size) as per selection by owner for wall dado in Toilet & Kitchen with cement grout after applying a layer of cement mortar 1:3 of 12-15mm thick mixed with water proofing compound and tile joints shall be filled with jointing compound of matching colour mixed with water proofing compound complete as directed including cost of all materials, labour charges, curing etc. Complete. The surface should be brought to proper level by plastering the areas as per requirement before tiling work and no separate payment will be made in this account. The basic price of vitrified tile- Rs.750 per sqm (upto 5% ± Variation in rate) Approved make: RAK/ Nitco/ Somany/ Johnson/ Kajaria	104.46	Sqm	
9.00	Providing and Fixing of approved make antiskid ceramic tiles of size 300mm x 300mm for flooring of toilet/bathrooms over a bed of 20mm thick cement mortar 1:4, mixed with water proofing compound. The tile joints shall be filled with jointing compound of matching colour mixed with water proofing compound complete as directed. The rate should include cost of all materials, labour charges, curing etc. Complete. The surface for tiling should be brought to proper level using cement mortar as per requirement before tiling work and no separate payment will be	12.00	SQM	

	made in this account. The basic price of vitrified tile- Rs.450 per sqm (upto 5% ± Variation in rate) Approved make: RAK/ Nitco/ Somany/ Johnson/ Kajaria.			
10.00	Supplying and fixing 18mm thick, one side mirror polished machine cut "Jet Black" colour granite slab for kitchen platform / for making frames for doors/ventilators including making facing the edge bull nose moulding with matching polishing to give high gloss finish etc complete and sealing all the joints with epoxy resin based adhesive including cleaning, etc complete as directed. In kitchen, the granite slab is to be fixed over Marine Plywood cage in width 650mm with 2 sides and rear edge of the granite slab shall be embedded 40mm into the wall. No deduction will be made for area of granite cut for sink including cost for cutting hole for fixing sink, cost of all materials, labour charges, curing etc. Complete.	12.30	RM	
11.00	Birla White Wall Care Putty: Providing and applying 2 or more coats of Birla Putty SF & MF suitably on the walls/ceiling on the cleaned surface as per manufacturer specifications complete as directed. The plastered surface after scrapping and patch plastering may be brought to level by applying one coat of Birla putty MF to required thickness (not more than 3mm thickness). Then make the surface extremely smooth with one or two coats of Birla Putty SF to required thickness (not more than 1.5mm thick). The unevenness on the surface may be removed by gently levelling the surface with very fine water proof emery paper, not less than 500 number, to get a glossy white surface. The surface should be brought to proper line and level to such an extent that no undulations could be visible and all the edges and corners should be finished very sharp to look like a narrow hair line. The work includes cost of all materials, labour charge, scaffolding charges etc. Complete.	15.00	Sq.m.	

12.00	Acrylic Paint - Interior Emulsion - For officer quarters: Providing and applying two or more coats of good quality acrylic emulsion washable paint like Premium Emulsion of Asian Paint and Beauty Gold washable emulsion of Nerolac, of approved manufacturer and shade as per specifications on interior surfaces of walls, ceilings etc including cleaning the area thoroughly to remove even small patches or marks of old/new paint using suitable cleaning materials etc. after cleaning the area, putty repair and sanding with emery paper, primer touch up & finishing with Premium acrylic emulsion paint of Asian paints or equivalent complete as directed by consultant and disposing off the debris. Additional payment for Putty shall be made only if Putty Repair is more than 0.1 sq m in any patch taken up for repair	612.14	sqm	
13.00	Providing & applying Two or more coats of Good Quality Synthetic Enamel Paint of Asian Paints or Equivalent make and Shade as per directions of Consultant on Window Grills including cleaning the surface of dirt or loose particles ,sanding with emery paper , applying 1 coat of Red oxide primer and 2 coats of Synthetic Enamel paint and making good surrounding surfaces after completion of work	36.00	sqm	
14.00	AntiTermite Treatment along with ant and cockroach treatment for all areas & Woodwork	180.00	sqm	
	TOTAL AMOUNT OF CVIL WORK			

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Projec	t: R	ENOVATION OF 12 APARTMENTS AT MILROC RIBANDAI	R RETREAT UN	IIT TYPE 2	(60 SQM)	
Emplo	yer :	NABARD GOA				
SR. NO.	ITE	M OF WORK	ESTIMATED QUANTITY	UNIT	RATE (In Rupees) In Figures	AMOUNT (Rs.)
В	INT	ERIOR WORKS				
1.00	wo Fre sm spe ren sur by the	ishing: Providing and applying polish on wood rk, doors, pelmets, etc. with two or more coats of nch spirit polish of approved tint to obtain ooth and glossy finish as per manufacturer edifications. The surfaces should be prepared by noving the dirt and dust completely from the face by sanding with emery paper 180 followed smooth sanding with emery paper 320 or 400 and a cracks on the surface should be filled with table crack seal to make the surface extremely				
	sm	ooth before the application of polish etc.				
	cor	nplete as directed.				
	а	Door	50.40	SQM		
	b	Frames	45.60	RM		
2.00	(Ba Prid app Exi: per sha the /ve SH (Ra in t	eviding and fixing First quality 4mm thick Veneer sic Price Rs. 120.sqft) over 4mm thick Ply (Basic ce Rs.45/sqft of Greenply or equivalent make, in proved design & shade with suitable adhesive on sting maindoors on both sides of the shutter as edesign. The surfaces of shutter & door frame all be prepared by removing dust completely from a surface by sanding with emery paper. Ply neer is to be fixed with suitable adhesive (Fevicol or equivalent) and finished with French polish te for Applying French polish not to be considered this item) Main Door	16.80	SOM		
2.00	а		10.60	SQM		
3.00	Providing and fixing First quality 1mm thick Laminate sheet of size 8'x4' of Basic Price Rs.1300/sheet of Approved make, design & shade on Existing flush doors on both sides of the shutter as per size. and Door Frame shall be finished in 1 coat Synthetic enamel Primer & 2 Coats synthetic enamel paint of approved make & shade. The surfaces of shutter & door frame shall be prepared by removing dust completely from the surface by sanding with emery paper and filling of cracks with crackseal. Laminate to be fixed with suitable adhesive (Fevicol SH)					
	а	1mm thick laminate cladding (size 8' x 4')	16.00	sheets		
	b	synthetic enamel paint	41.60	RM		
4.00		oviding and fixing Heavy duty Brass hardware to sting doors of Approved make, design and finish. Hinges 40mmx100mm x 2 mm thick of approved design and Antique finish.	88.00	No's		
	b	Tower bolt of length 8" of approved make & design & having Antique Finish.	24.00	No's		

	С	180 degree Hinges30mmx100mm x 1 mm thick	24.00	No's	
		of approved design and Antique finish.			
	d	Chain Latch of approved make & design &	4.00	No's	
		having Antique Finish or equivalent.			
	е	Mortice Handle with lock pf approved make &	8.00	No's	
		design & having Antique finish and Keyhole -			
		outside & Turn Knob- Inside			
	f	Cylindrical lock of approved make & design &	4.00	No's	
		having Antique finish brass and Keyhole -			
		outside & Turn Knob- Inside			
	g	Aldrop (10") of approved make & design and	4.00	No's	
		having Antique finish			
	i	Handle (8") of approved make & design and	16.00	No's	
		having Antique finish			
	ı	Peep hole pf approved make & design having	4.00	No's	
		Antique finish			
	k	door stopper	20.00	No's	
	1	door magnet	12.00	No's	
	m	door buffer	4.00	No's	
	n	Aluminium Handle (125 mm)	8.00	No's	
	0	SS Hinge (75mmx20mm)	16.00	NO's	
	р	Aluminium Tower Bolt (4 ")	8.00	No's	
5.00	Pro	oviding and fixing 30mm thick Moulded Panel	3.00	No's	
	do	ors with PVC sheets factory pressed on both sides			
	in ۱	wood textured finish of KALPATARU make for			
	bat	hrooms/toilets. The doors should be fitted			
	kee	eping proper alignment with 3 numbers of 100mm			
	x 4	Omm brass hinges. The rate should include for			
		ng of new hardware fixtures such as aldrop,			
	har	ndle, tower bolt, cost of all materials for fixing,			
	lab	our etc complete as directed by the Consultant.			

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6.00	Providing, supplying and installing Cabinet over loft with shutters & frame as per drawing provided by consultant and as per the following specifications. The frame work or carcass of the cabinet's drawer fascia/sides/bottom/shelves etc. shall be made out of 19mm thk Commercial Blockboard of approved make(Kit Gold, Greenply, WIP or equivalent) with 6mm x20mm TW edge beading. c) The shutters shall be made out of 19mm thick Blockboard of approved make (Kit Gold, Greenply, WIP or equivalent). Each shutter shall be fixed to the frame work/carcass using 2 numbers of best quality EURO type slip hinges(Ebco, Hetich or approved equivalent make) and provided with an approved quality and profile brush finished SS handle(minimum 75mm long). d) The unit shall be firmly fixed to the walls using SS screws of appropriate size and rawl plugs. e) The shelves shall be supported on approved quality SS pins. f) All exposed surfaces and internal surfaces of the units and drawer fascia shall be provided with laminate cladding having thickness 1mm and 0.8mm respectively with approved colour and factory machine pressed pasting using approved quality and make synthetic resin based adhesive (Fevicol, Vamicol) etc. g) The edges of the plywood shall be provided with suitable best quality lippings. h) Measurement will be taken on the basis of sqm of cabinet front facade basis.	9.85	SQM	
7.00	Supply & installation of side hung openable Bare Aluminium aluminium windows (including frame, shutter & accesories) having 20 series section & frames of Hindalco or equivalent and minimum 1.20mm section thickness(18 gauge), Glass 5mm thick 1-way of Saint Gobain or equivalent, z- hinges on top and bottom of each shutter in stainless steel of Ebco make or equivalent, New Handle Lock with Locking arrangement of Ebco or equivalent, air gaps to be sealed with silicon sealent, EPDM gaskets, including all accesories and fastenings etc. complete.	9.00	SQM	
8.00	Providing & Fixing Heavy duty Curtain Rod 25mm dia			
	of SS(314 grade) with End & Center brackets as necessary in 18 gauge SS 314 grade above window			
	lintel for the purpose of of hanging Eyelet Curtains			
	a Bracket Sets	15.00	NO's	
	b SS Rod 25mm dia	17.10	RM	
9.00	Wall Mounting Retractable Type 5 Rows Clothes	3.00	NO's	
	Lines for drying clothes			
	TOTAL AMOUNT OF INTERIOR WORK			
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Date:

Place:

	oyer :NA		TION OF 12 APARTMENTS AT MILROC RIBANDAR			- (-3 50(18)	,
SR. NO.	ITEM C			ESTIMATED QUANTITY	UNIT	RATE (Rs.) In Figures	Amount (Rs.)
С	PLUME	SING \	WORKS				
а	WATE	R SUI	PPLY				
	1.00	INT	ERNAL WATER SUPPLY				
		D28					
		Sch					
			41 pipes including necessary specials,etc				
		con	nplete as directed, including hydraulic				
		tes	ting at 10.54Kg pressure				
		(In	ternal work)				
		i	15 mm nominal bore	22.50	RM		
		ii.	20 mm nominal bore	18.00	RM		
	2.00	wit app	viding and fixing concealed C.P. stop cock h CP wall flange of Jaquar (Continental) proved make including all cost of labour	3.00	Nos.		
b	INTER		terial handling etc. and testing. DRAINAGE WORK				
	1.00			6.00	RM		
		Wa incl acc sup etc	sh Basin drainage of approved make luding bend, TEE, junction, junction with ess door, 'Y' Junction, battens, brackets, ports with fasteners, as required lubricant complete (single / double) socketed, as ecified.				
	2.00	was ma wit bra lub	viding and fixing rigid PVC S.W.R. (soil, ste & rain water drainage pipes of approved ke including bend, TEE, junction, junction h access door, 'Y' Junction, battens, ckets, supports with fasteners, as required ricant etc. complete (single / double) keted, as specified:				
		i.	75 mm dia.SWR PVC PIPE	15.00	RM		
		ii.	110 mm dia.	9.60	RM		
	3.00	con	viding and fixing PVC Nahani Trap with kroach protection and PVC jali 100mm dia, nplete including cost of cutting and making od the floor	6.00	NO's		
С			FITTINGS				
	1.00	Floor Des 10 bra app cut	or Mounted water closet of approved Make sign & Colour with PVC Cistern of Capacity lts, heavy duty seat and lid with with ckets and mosquito proof coupling of proved municipal design complete, including ting and making good the walls and floors ere required, as specified. Brand JAQUAR:				

	LYS-WHT-38851S or equivalent			
	i. W.C.	3.00	Nos.	
2.00	Providing & Fixing Ceramic Wash basin full set of size not less than 16"x 21" of Approved make, design & colour including CP bottle trap, CP brass waste coupling, Rag Bolts complete including cutting and making good the walls wherever required. With joints filled with White Cement. Jaguar ARS-WHT-39801			
	i. Flat back wash basin with pedestal	6.00	Nos.	
3.00	Providing & Fixing S.S. Kitchen Sink with bowl size 450 x 375 with 190 mm depth including making connection of outlet etc. complete as specified. Franke			
	i. S.S. sink with drain broad	3.00	Nos.	
4.00	Providing & Fixing Jaguar continental or equivalent make Pillar cock including cost of all materials, labour charges etc complete. Jaguar OPP-CHR-15001PM	3.00	Nos.	
5.00	Providing & Fixing of Jaguar continental or equivalent make2 way bibcock including cost of all materials, labour charges etc complete. Jaguar OPP-CHR-15041PM	3.00	Nos.	
6.00	Providing & Fixing Jaquar continental or equivalent make Angle cock including cost of all materials, labour charges etc complete. Jaguar OPP-CHR-15053PM	20.00	Nos.	
7.00	Providing & Fixing Jaguar continental or equivalent make health faucet complete set with 1 m long PVC pipe including cost of all materials, labour charges etc complete. Jaguar ALD-CHR-573	3.00	Nos.	
8.00	Providing and fixing Shower assembly with C.P. pressure adjustable Shower Rose, C P Shower Arm, C P Spout, C P Single Lever divertor, C P Wall flange etc complete as directed (Jaguar or equivalent approved make).Jaquar SHA-CHR-479L300	3.00	Nos.	
9.00	Providing & Fixing of Jaguar continental or equivalent make Kitchen Faucet with Swivel arm of jaguar (Continental) or equivalent make including cost of all materials, labour charges etc complete. Jaguar FLR-CHR-5357N	3.00	No's	
10.00	Providing & Fixing 600 x 120 mm glass shelf with C.P. brass brackets and guard rail complete fixed to wooden cleats with C.P. brass screws, as specified. Jaguar ACN-CHR-1171N	3.00	Nos.	
11.00	Providing & Fixing C.P. brass towel rail complete with C.P. brass brackets fixed to wooden cleats with C.P. brass screws, as specified. Jaguar AQN-CHR-7711			
	i. 600 x 20 mm size	3.00	Nos.	

12.00		viding & Fixing toilet paper holder as cified. :Jaguar AQN-CHR-7751			
	i.	C.P. Toilet roll Holder	3.00	Nos.	
13.00	арр	viding & Fixing of CP round towel ring of broved make with necessary anti corrossive ews etc. Complete. Jaquar AQN-CHR-7721	3.00	Nos.	
14.00	min nec	viding & Fixing SS or CP Robe hook with himum 2 hooks of Jaguar make with essary anti-corrosive screws etc. Complete. uar AQN-CHR-7761	3.00	Nos.	
15.00	Cor hea	viding & Fixing 8 mm thick, 9" x 9" size, ner glass shelf with CP railing including vy CP clamps and anti-corrosive screws etc nplete. Jaguar ACN-CHR-1173	3.00	Nos.	
16.00	mir thk sto	viding & Fixing 450mm x 600mm size, wall ror with inbuilt storage with mirror 4mm of Saint Gobain/Modi guard make, and rage of PVC / Fibre in heavy duty material h shutter / magnet/ handles complete.	3.00	Nos.	
TOTAL	AMO	DUNT OF PLUMBING WORK			

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Project: RENOVATION OF 12 APARTMENTS AT MILROC RIBANDAR RETREAT UNIT TYPE 2 (60 SQM)							
	oyer :NABARD GOA						
SR. NO.	ITEM OF WORK	ESTIMATED QUANTITY	UNIT	RATE (In Rupees) In Figures	AMOUNT (Rs.)		
D	ELECTRICAL WORKS			0			
A	Supply, Installation Testing & commissioning of point wiring using 1.5sqmm x 2 + 1.5sqmm copper multi-strand wire for Phase & neutral in 20mm pvc conduit with, concealed boxes with 10A Anchor roma accessories & required accessories. Upto 6m length						
A1	LIGHT POINT	45	Nos.				
A2	TWO WAY LIGHT POINT	3	Nos.				
А3	FAN POINT	12	Nos.				
A4	TWO WAY FAN POINT	6	Nos.				
A5	EXHUAST FAN POINT	6	Nos.				
A6	BELL POINT	3	Nos.				
A7	10A PLUG POINT ON BOARD (HALF POINT)	9	Nos.				
A8	10A PLUG POINT INDEPENDENT	21	Nos.				
A9	Fixing of 10L CAPACITY STORAGE WATER GEYSER (VERTICAL TYPE) OF RACOLD OR EQUIVALENT WITH SUPPORT	3	Nos.				
A10	Fixing of 1200MM DIA CEILING FAN OF HAVELLS OR EQUIVALENT MAKE WITH CAPPING, ROD, BRACKETS & BOLTS COMPLETE	12	Nos.				
A11	Fixing of WATER PURIFIER WITH ACTIVATED CARBON & UV/UF FILTER OF AQUAGUARD MAKE	3	Nos.				
В	Supply, Installation, Testing & commissioning of point wiring using 2X4 sqmm + 1X2.5sqmm copper multi-strand wire for Phase & neutral & earthing in 20mm pvc conduit with, concealed box with 20A Anchor Roma switch & socket plate & required accessories. For AC point consider MCB in lieu of Switch						
B1	20A POWER POINT INDEPENDENT	6	Nos.				
B2	AC POINT (With MCB instead of Switch)	3	Nos.				
В3	GYSER POINT	3	Nos.				
С	Supply ,Installation, Testing & commissioning of circuit wiring using 2.5sqmm x 2 + 1.5sqmm x 1 copper multi-strand wire for Phase & neutral & earthing in 20mm pvc conduit & required accessories.						
C1	2.5sqmm x 2 + 1.5sqmm x 1 CIRCUIT WIRING	540	mtr				
C2	4sqmm x 2 + 1.5sqmm x 1 CIRCUIT WIRING	225	mtr				
D	Supply ,Installation, Testing & commissioning of Main Circuit wiring using 6sqmm x 4 + 4sqmm x 1 copper multi-strand wire for 3Phase & neutral & earthing in 25mm pvc conduit & required accessories. From meter room to DB						

90

mtr

6sqmm x 4 + 2.5sqmm x 1c MAIN CIRCUIT

E	Supply, Installation Testing & commissioning						
	of T.V. & Telephone point wiring using RG-6 or						
	3pair telephone wire in 20mm pvc conduit						
	with, concealed boxes with Anchor Dyna						
	switch plate & required accessories.						
E1	T.V. POINT	6	Nos.				
E2	TELEPHONE POINT	6	Nos.				
G	Supply, Installation Testing & commissioning						
	PLATE TYPE EARTHING using 600 X 600 X 6MM						
	GI Plate Duly erected as PER IS3043 with						
	required Material & accessories.						
G1	EARTHING PIT	NA	nos				
G2	8SWG GI EARTH WIRE FORM DB to SHAFT	45	KGS				
G3	25MM X 3MM GI EARTHING STRIP	NA	KGS				
Н	Installation, Testing & commissioning of						
	ENERGY METER with required accessories,						
	Lead from Main Isolating Switch, cut out &						
	Meter						
1	3 PHASE ENERGY METER	3	nos				
1	Installation, Testing & commissioning of DB	3	nos				
	with required accessories.						
	12 WAY ETPN DB as required, (Lighting &						
	Power DB)						
	1 No. Double door ETPN DB enclosure IP-43						
	with PPI Kit.						
	Incomer-						
	1 No.63A 4P MCB with 3 nos. 40 A DP, 30 mA						
	RCCB						
	Outgoings-						
	30 Nos. 10/16/25A SP MCB, C Curve.						
	Necessary blank plates (if require),						
	interconnection and accessories.						
	TOTAL AMOUNT OF ELECTRICAL WORK						
MATE	RIAL:- PVC CONDUIT:- PRECISSION AND ACCESSORIES	, CONCEAL BO	XES :- AI	NCHOR OR LEGI	RAND,		
SWIT	CHES & ACCESSORIES :- ANCHOR VOILA OR LEGRAND A	ARTEOR , WIRE	S :- ANC	HOR , RR CABLE	ES,		
OR FINOLEX ,CABLES :- POLYCAB , RAJ CAB or RAJANIGANDHA ,MCB DB :- MOOLER , LEGRAND or SCHNIDER ,							
MAIN	SWITCH, BUSBAR :- KEW , HPL SOCHOMAC , SCHNIDE	R, CABLE TRY	:- GI ,				

Date:

Place: SIGNATURE OF CONTRACTOR WITH SEAL

EARTHING :- CHEMICAL OR TRADITIONAL

Project: RENOVATION OF 12 APARTMENTS AT MILROC RIBANDAR RETREAT UNIT TYPE 3 (47 SQM) Employer: NABARD GOA							
Summary of Works - TYPE 3 (47 SQM)							
SR. NO.	DESCRIPTION	AMOUNT (Rs)					
1.0	CIVIL WORK						
2.0	INTERIOR WORK						
3.0	PLUMBING WORK						
4.0	ELECTRICAL WORK						

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TOTAL OF WORKS

Project: RENOVATION OF 12 APARTMENTS AT MILROC RIBANDAR RETREAT UNIT TYPE 3 (47 SQM)						
Emplo	yer : NABARD GOA					
SR. NO.	ITEM OF WORK	ESTIMATED QUANTITY	UNIT	RATE (In Rupees) In Figures	AMOUNT (Rs.)	
Α	CIVIL WORKS					
1.00	Dismantlement of existing wall, toilet dado, toilet sunk, toilet flooring, kitchen platform with supports, kitchen dado, skirting, room flooring and additional civil material as per instructions of the Consultant & safely taking away from the site outside Milroc Ribandar Retreat coloy premises, both serviceable & unserviceable materials which are obtained from the dismantlement of the civil work and carrying out the dismantlement in a manner as directed at site in whole or in parts as feasible as per the direction of	34.56	Cu M			
2.00	Engineer etc. complete. Dismantling and removing door hardware, plumbing & sanitary fittings including water supply, drainage & sewage pipes, clearing away the debris out of Milroc Ribandar Retreat colony premises and stacking the dismantled pipes and sanitary fittings for buy back	LUMPSUM				
3.00	Clean the sunken slab of toilet thoroughly with wire brush and remove the adhered plastering and dirt completely and wash the surface with water completely and leave the surface for drying. Providing waterproofing treatment consisting of one layer of acrylic polymer modified cementitious slurry in 1:2 proportion (1: polymer, 2: cement) by weight and followed by topping with mix of cement, acrylic based polymer and siliica sand in 1:2:2 proportion including corner fillet of horizontal and vertical layers as per manufacturer's specifications and with 10 years guarantee. (Plan area to be measured) for toilet block will include coat upto 1m height from floor level as per terms & conditions.	27.80	Sqm			

4.00	Dura diding and leving acinformed				
4.00	Providing and laying reinforced				
	cement concrete of grade M25 (mix				
	design) with coarse sand and graded				
	granitic or basaltic stone aggregate				
	20 mm nominal size as per mix				
	design requirements excluding				
	plastering and cost of centering				
	shuttering and reinforcement from				
	Ground to Second Floor				
	i Lintels (23cm x 15cm)	12.15	RM		
5.00	` , , , , , , , , , , , , , , , , , , ,	37.13	Cam		
5.00	Plastering : Providing and applying	37.13	Sqm		
	plaster in CM 1:5 (1 cement : 5 sand)				
	about 15 mm thickness on the newly				
	constructed partition walls/old walls				
	and as approved in patches including				
	dismantling of the old damaged				
	plaster, preparing the surface of new				
	plaster, curing of new plaster,				
	scaffolding, etc. complete as				
	directed. The plaster has to be done				
	in patches or stretches and to match				
	the adjoining surfaces, sealing the				
	crack in plaster with suitable crack				
	seal as necessary [Area of cement				
	plaster more than 0.10 Sq.m. at one				
	l · · · · · · · · · · · · · · · · · · ·				
	stretch for repairs only will be				
	considered for payment. Prior				
	approval for plastering such areas				
	should be taken from the Consultant				
	and the area of plastering should be				
	measured in the presence of				
	Representative of NABARD. The rate				
	should include cost of all materials,				
	labour charge, curing, disposing off				
	the debris, cleaning the area				
	thoroughly etc complete as directed.				
6.00	Providing and Fixing Skirting 100mm	192.50	RM		
	high of approved variety of premium				
	quality polished vitrified tiles (of				
	approx. Size 600 mm x 600 mm(upto				
	5% ± Variation in size), 10mm thick,				
	in proper line and level with cement				
	and sand motar of approved make in				
	necessary thickness. The joints shall				
	be filled with jointing compound of				
	matching colour. The rate quoted				
	should include for the cost of all				
	materials, labour charges, curing,				
	cleaning the surface to remove all				
	the loose mortars / dust particles to				
	receive new skirting, etc complete				
	as directed by engineer. The basic				
	price of vitrified tile- Rs.750 per sqm				
	(upto 5% ± Variation in rate)				
	Approved make: RAK/ Nitco/				
	Somany/ Johnson/ Kajaria.				
	Johnson, Kajaria.		l	<u> </u>	<u> </u>

7.00	Providing and Fixing of approved variety of premium quality polished vitrified tiles of approx. Size 600 mm x 600 mm, 10mm thick, in proper line and level with cement and sand motar in necessary thickness. The joints shall be filled with jointing compound of matching colour. The rate quoted should include for the cost of all materials, labour charges, curing, cleaning the surface to remove all the loose mortars / dust particles to receive new flooring etc complete as directed by the Engineer. The basic price of vitrified tile- Rs.750 per sqm (upto 5% ± Variation in rate) Approved make: RAK/ Nitco/ Somany/ Johnson/ Kajaria.	192.50	Sqm	
8.00	Providing and Fixing Approved make glazed ceramic tiles of size 300mm x 600mm or 300mm x 450mm(upto 5% ± Variation in size) as per selection by owner for wall dado in Toilet & Kitchen with cement grout after applying a layer of cement mortar 1:3 of 12-15mm thick mixed with water proofing compound and tile joints shall be filled with jointing compound of matching colour mixed with water proofing compound complete as directed including cost of all materials, labour charges, curing etc. Complete. The surface should be brought to proper level by plastering the areas as per requirement before tiling work and no separate payment will be made in this account. The basic price of vitrified tile- Rs.750 per sqm (upto 5% ± Variation in rate) Approved make: RAK/ Nitco/ Somany/ Johnson/ Kajaria	164.83	Sqm	
9.00	Providing and Fixing of approved make antiskid ceramic tiles of size 300mm x 300mm for flooring of toilet/bathrooms over a bed of 20mm thick cement mortar 1:4, mixed with water proofing compound. The tile joints shall be filled with jointing compound of matching colour mixed with water proofing compound complete as directed. The rate should include cost of all materials, labour charges, curing etc. Complete. The surface for tiling should be brought to proper	20.06	SQM	

	level using cement mortar as per requirement before tiling work and no separate payment will be made in this account. The basic price of vitrified tile- Rs.450 per sqm (upto 5% ± Variation in rate) Approved make: RAK/ Nitco/ Somany/ Johnson/ Kajaria.			
10.00	Supplying and fixing 18mm thick, one side mirror polished machine cut "Jet Black" colour granite slab for kitchen platform / for making frames for doors/ventilators including making facing the edge bull nose moulding with matching polishing to give high gloss finish etc complete and sealing all the joints with epoxy resin based adhesive including cleaning, etc complete as directed. In kitchen, the granite slab is to be fixed over Marine Plywood cage in width 650mm with 2 sides and rear edge of the granite slab shall be embedded 40mm into the wall. No deduction will be made for area of granite cut for sink including cost for cutting hole for fixing sink, cost of all materials, labour charges, curing etc.	13.50	RM	
11.00	Birla White Wall Care Putty: Providing and applying 2 or more coats of Birla Putty SF & MF suitably on the walls/ceiling on the cleaned surface as per manufacturer specifications complete as directed. The plastered surface after scrapping and patch plastering may be brought to level by applying one coat of Birla putty MF to required thickness (not more than 3mm thickness). Then make the surface extremely smooth with one or two coats of Birla Putty SF to required thickness (not more than 1.5mm thick). The unevenness on the surface may be removed by gently levelling the surface with very fine water proof emery paper, not less than 500 number, to get a glossy white surface. The surface should be brought to proper line and level to such an extent that no undulations could be visible and all the edges and corners should be finished very sharp to look like a narrow hair line. The work includes cost of all materials, labour charge, scaffolding charges etc. Complete.	16.58	Sq.m.	

42.00	A 1: D :	007.65		
12.00	Acrylic Paint - Interior Emulsion - For officer quarters: Providing and applying two or more coats of good quality acrylic emulsion washable paint like Premium Emulsion of Asian Paint and Beauty Gold washable emulsion of Nerolac, of approved manufacturer and shade as per specifications on interior surfaces of walls, ceilings etc including cleaning the area thoroughly to remove even small patches or marks of old/new paint using suitable cleaning	837.65	sqm	
	materials etc. after cleaning the area, putty repair and sanding with emery paper, primer touch up & finishing with Premium acrylic emulsion paint of Asian paints or equivalent complete as directed by consultant and disposing off the debris. Additional payment for Putty shall be made only if Putty Repair is more than 0.1 sqm in any patch taken up			
13.00	For repair Providing & applying Two or more coats of Good Quality Synthetic Enamel Paint of Asian Paints or Equivalent make and Shade as per directions of Consultant on Window Grills including cleaning the surface of dirt or loose particles ,sanding with emery paper , applying 1 coat of Red oxide primer and 2 coats of Synthetic Enamel paint and making good surrounding surfaces after completion of work	26.00	sqm	
14.00	Anti-Termite Treatment along with ant and cockroach treatment for all areas & Woodwork	235.00	sqm	
	TOTAL AMOUNT OF CVIL WORK		· · · · · · · · · · · · · · · · · · ·	
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Place: SIGNATURE OF CONTRACTOR

WITH SEAL

	: RENOVATION OF 12 APARTMENTS AT MILROC RIBANDAR ver :NABARD GOA				
SR. NO.	ITEM OF WORK	ESTIMATED QUANTITY	UNIT	RATE (In Rupees) In Figures	AMOUNT (Rs.)
В	INTERIOR WORKS				
1.00	Polishing: Providing and applying polish on wood work doors, pelmets, etc. With two or more coats of French spirit polish of approved tint to obtain smooth and glossy finish as per manufacturer specifications. The surfaces should be prepared by removing the dirt and dust completely from the surface by sanding with emery paper 180 followed by smooth sanding with emery paper 320 or 400 and the cracks on the surface should be filled with suitable crack seal to make the				
	surface extremely smooth before the application of				
	polish etc. complete as directed.	62.00	6014		
	a Door	63.00	SQM		
	b Frames	57.00	RM		
2.00	Providing and fixing First quality 4mm thick Veneer (Basic Price Rs. 120.sqft) over 4mm thick Ply (Basic Price Rs.45/sqft of Greenply or equivalent make, in approved design & shade with suitable adhesive on Existing maindoors on both sides of the shutter as per design. The surfaces of shutter & door frame shall be prepared by removing dust completely from the surface by sanding with emery paper. Ply /veneer is to be fixed with suitable adhesive (Fevicol SH) and finished with French polish (Rate for Applying French polish not to be considered in this item)				
	a Main Door	21.00	SQM		
3.00	Providing and fixing First quality 1mm thick Laminate sheet of size 8'x4' of Basic Price Rs.1300/sheet of Approved make, design & shade on Existing flush door on both sides of the shutter as per size. and Door Frame shall be finished in 1 coat Synthetic enamel Primer & 2 Coats synthetic enamel paint of approved make & shade. The surfaces of shutter & door frame shall be prepared by removing dust completely from the surface by sanding with emery paper and filling of cracks with crackseal. Laminate to be fixed with suitable adhesive (Fevicol SH)				
	a 1mm thick laminate cladding (size 8' x 4')	20.00	sheets		
	b synthetic enamel paint	52.00	RM		
4.00	Providing and fixing Heavy duty Brass hardware to				
	existing doors of Approved make, design and finish.				
	a Hinges 40mmx100mm x 2 mm thick of approved	110.00	No's		
	design and Antique finish. b Tower bolt of length 8" of approved make & design & having Antique Finish.	30.00	No's		
	c 180 degree Hinges30mmx100mm x 1 mm thick of approved design and Antique finish.	30.00	No's		
	d Chain Latch of approved make & design & having Antique Finish.	5.00	No's		

	е	Mortice Handle with lock pf approved make & design & having Antique finish and Keyhole -	10.00	No's	
		outside & Turn Knob- Inside			
	f	Cylindrical lock of approved make & design & having Antique finish brass and Keyhole - outside & Turn Knob- Inside	5.00	No's	
	g	Aldrop (10") of approved make & design and having Antique finish	5.00	No's	
	i	Handle (8") of approved make & design and having Antique finish	20.00	No's	
	I	Peep hole pf approved make & design having Antique finish	5.00	No's	
	k	door stopper	25.00	No's	
	ı	door magnet	15.00	No's	
	m	door buffer	5.00	No's	
	n	Aluminium Handle (125 mm)	40.00	No's	
	0	SS Hinge (75mmx20mm)	80.00	NO's	
	р	Aluminium Tower Bolt (4 ")	40.00	No's	
5.00	<u> </u>	viding and fixing 30mm thick Moulded Panel doors	5.00	No's	
3.00	wit tex	h PVC sheets factory pressed on both sides in wood tured finish of KALPATARU make for	3.00	140 3	
		hrooms/toilets. The doors should be fitted keeping			
		per alignment with 3 numbers of 100mm x 40mm			
		ss hinges. The rate should include for fixing of new dware fixtures such as aldrop, handle, tower bolt,			
		t of all materials for fixing, labour etc complete as			
		ected by the Consultant.			
6.00		viding, supplying and installing Cabinet over loft	14.16	SQM	
		h shutters & frame as per drawing provided by			
		isultant and as per the following specifications. The			
		me work or carcass of the cabinet's drawer			
		cia/sides/bottom/shelves etc. shall be made out of			
		nm thick Commercial Blockboard of approved			
		ke(Kit Gold, Greenply, WIP) with 6mm x20mm TW			
	_	ge beading.			
	1 -	The shutters shall be made out of 19mm thick			
		ckboard of approved make (Kit Gold, Greenply, WIP			
		equivalent). Each shutter shall be fixed to the frame rk/carcass using 2 numbers of best quality EURO			
		e slip hinges(Ebco, Hetich make) and provided with			
		approved quality and profile brush finished SS			
		ndle(minimum 75mm long).			
		The unit shall be firmly fixed to the walls using SS			
		ews of appropriate size and rawl plugs. e) The			
	she	elves shall be supported on approved quality SS pins.			
	f) A	Il exposed surfaces and internal surfaces of the			
	uni	ts and drawer fascia shall be provided with laminate			
		dding having thickness 1mm and 0.8mm			
		pectively with approved colour and factory machine			
		essed pasting using approved quality and make			
		thetic resin based adhesive (Fevicol, Vamicol) etc.			
		The edges of the plywood shall be provided with			
		table best quality lippings. h) Measurement will be			
	ιdΚ	en on the basis of sqm of cabinet front facade basis.		I .	

7	Pro	viding, supplying and installing Additional Stone	5.00	Lumpsum			
		If as required with shutters & frame as per drawing					
		vised by consultant and as per the following					
	spe	cifications.					
	The	frame work under counter shall be made out of					
	19r	nm thk Commercial Blockboard of approved make					
	(Kit	Gold, Greenply, WIP or equivalent).					
	c) T	he shutters shall be made out of 19mm thick					
	Blo	ckboard of approved make (Kit Gold, Greenply, WIP					
	or e	equivalent). Each shutter shall be fixed to the frame					
	wo	rk using 2 numbers of best quality EURO type slip					
		ges(Ebco, Hetich or approved equivalent make) and					
		vided with an approved quality and profile brush					
		shed SS handle(minimum 75mm long).					
		The shelves shall be supported on existing masonry					
		I. f) All exposed surfaces and internal surfaces of					
		shutters shall be provided with laminate cladding					
		ring thickness 1mm and 0.8mm respectively with					
		proved colour and factory machine pressed pasting					
		ng approved quality and make synthetic resin based					
		nesive (Fevicol, Vamicol) etc. The edges of the plywood shall be provided with					
		cable best quality lippings. h) Measurement will be					
		en on the basis of sqm basis.					
8.00		oply & installation of side hung openable Bare	15.35	SQM			
		minium aluminium windows (including frame,					
		tter & accesories) having 20 series section & frames					
		Hindalco or equivalent and minimum 1.20mm					
		tion thickness (18 gauge), Glass 5mm thk 1-way of					
	Saiı	nt Gobain or equivalent, z- hinges on top and					
	bot	tom of each shutter in stainless steel of Ebco make					
	or e	equivalent, New Handle Lock with Locking					
		angement of Ebco alent , air gaps to be sealed with					
		con sealent, EPDM gaskets, including all accessories					
	_	l fastenings etc. complete.					
9.00		viding & Fixing Heavy duty Curtain Rod 25mm dia					
		SS(314 grade) with End & Center brackets as					
	necessary in 18 gauge SS 314 grade above window						
		el for the purpose of of hanging Eyelet Curtains	20.00	NOIs			
	a	Bracket Sets	20.00	NO's			
10.00	b	SS Rod 25mm dia	17.50	RM			
10.00		Il Mounting Retractable Type 5 Rows Clothes Lines	5.00	NO's			
		drying clothes					
	10	TOTAL AMOUNT OF INTERIOR WORK					

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Place:

SIGNATURE OF CONTRACTOR
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SR. NO.			ESTIMATED QUANTITY	UNIT	RATE (Rs.)	Amount (Rs.)	
C	PLUME	SING V	WORKS	Q 01		In Figures	(,
a		WATER SUPPLY					
	1.00		ERNAL WATER SUPPLY				
			viding and fixing tested Astral CPVC Astm				
			846				
			R 11 UPTO2" and beyond 2" as per Astm				
			1.40				
			F 441 pipes including necessary specials, etc				
			nplete as directed, including hydraulic				
			ting at 10.54Kg pressure ternal work)				
		<u> </u>	,	27.50	DNA		
		i	15 mm nominal bore	37.50	RM		
	2.00	ii.	20 mm nominal bore	30.00	RM		
	2.00		viding and fixing concealed C.P. stop cock h CP wall flange of Jaquar (Continental)	5.00	Nos.		
			proved make including all cost of labour				
			terial handling etc. and testing.				
b	INTER	INTERNAL DRAINAGE WORK					
	1.00		viding and fixing 40mm dia PVC Pipe for	10.00	RM		
			sh Basin drainage of approved make				
			luding bend, TEE, junction, junction with				
			ess door, 'Y' Junction, battens, brackets, ports with fasteners, as required lubricant				
			. complete (single / double) socketed, as				
			cified.				
	2.00		viding and fixing rigid PVC S.W.R. (soil, waste				
			ain water drainage pipes of approved make				
			luding bend, TEE, junction, junction with				
			ess door, 'Y' Junction, battens, brackets, ports with fasteners, as required lubricant				
			. complete (single / double) socketed, as				
			cified :				
		i.	75 mm dia. SWR PVC PIPE	25.00	RM		
		ii.	110 mm dia.	16.00	RM		
	3.00		viding and fixing PVC Nahani Trap with	10.00	NO's		
			kroach protection and PVC jali 100mm dia,				
			nplete including cost of cutting and making				
c	SANIT	good the floor. ANITARY FITTINGS			1		
	1.00		oviding & fixing Ceramic European type Floor				
	1.00	Mounted water closet of approved Make					
			sign & Colour with PVC Cistern of Capacity 10				
			, heavy duty seat and lid with brackets and				
			squito proof coupling of approved municipal				
			sign complete, including cutting and making				
		_	od the walls and floors where required, as ecified. Brand JAQUAR: LYS-WHT-38851S or				

	equivalent			
	i. W.C.	5.00	Nos.	
2.00	Providing & Fixing Ceramic Wash basin full set of size not less than 16"x 21" of Approved make, design & colour including CP bottle trap, CP brass waste coupling, Rag Bolts complete including cutting and making good the walls wherever required. With joints filled with White			
	Cement. Jaguar ARS-WHT-39801 or equivalent			
	i. Flat back wash basin with pedestal	5.00	Nos.	
3.00	Providing & Fixing S.S. Kitchen Sink with bowl size 450 x 375 with 190 mm depth including making connection of outlet etc. complete as specified. Franke or equivalent			
	i. S.S. sink with drain broad	5.00	Nos.	
4.00	Providing & Fixing Jaguar continental or equivalent make Pillar cock including cost of all materials, labour charges etc complete. Jaguar OPP-CHR-15001PM	5.00	Nos.	
5.00	Providing & Fixing of Jaguar continental or equivalent make2 way bibcock including cost of all materials, labour charges etc complete. Jaguar OPP-CHR-15041PM	5.00	Nos.	
6.00	Providing & Fixing Jaguar continental or equivalent make Angle cock including cost of all materials, labour charges etc complete. Jaguar OPP-CHR-15053PM	25.00	Nos.	
7.00	Providing & Fixing Jaguar continental or equivalent make health faucet complete set with 1 m long PVC pipe including cost of all materials, labour charges etc complete. Jaguar ALD-CHR-573	5.00	Nos.	
8.00	Providing and fixing Shower assembly with C.P. pressure adjustable Shower Rose, C P Shower Arm, C P Spout, C P Single Lever divertor, C P Wall flange etc complete as directed (Jaguar or equivalent approved make). Jaguar SHA-CHR-479L300	5.00	Nos.	
9.00	Providing & Fixing of Jaguar continental or equivalent make Kitchen Faucet with Swivel arm of jaguar (Continental) or equivalent make including cost of all materials, labour charges etc complete. Jaguar FLR-CHR-5357N	5.00	No's	
10.00	Providing & Fixing 600 x 120 mm glass shelf with C.P. brass brackets and guard rail complete fixed to wooden cleats with C.P. brass screws, as specified. Jaguar ACN-CHR-1171N	5.00	Nos.	
11.00	Providing & Fixing C.P. brass towel rail complete with C.P. brass brackets fixed to wooden cleats with C.P. brass screws, as specified. Jaguar AQN-CHR-7711			
	i. 600 x 20 mm size	5.00	Nos.	
12.00	Providing & Fixing toilet paper holder as specified. :Jaguar AQN-CHR-7751			
	i. C.P. Toilet roll Holder	5.00	Nos.	

13.00	Providing & Fixing of CP round towel ring of	5.00	Nos.	
	approved makewith necessary anti corrossive			
	screws etc. Complete. Jaquar AQN-CHR-7721			
14.00	Providing & Fixing SS or CP Robe hook with	5.00	Nos.	
	minimum 2 hooks of Jaguar make with			
	necessary anti-corrosive screws etc. Complete.			
	Jaguar AQN-CHR-7761			
15.00	Providing & Fixing 8 mm thick, 9" x 9" size,	5.00	Nos.	
	Corner glass shelf with CP railing including			
	heavy CP clamps and anti-corrosive screws etc			
	complete. Jaguar ACN-CHR-1173			
16.00	Providing & Fixing 450mm x 600mm size, wall	5.00	Nos.	
	mirror with inbuilt storage with mirror 4mm			
	thick of Saint Gobain/Modi guard make, and			
	storage of PVC / Fibre in heavy duty material			
	with shutter / magnet/ handles complete.			
TOTAL	AMOUNT OF PLUMBING WORK			

Date	:

Proje	ct: RENOVATION OF 12 APARTMENTS AT MILROC RI	BANDAR RETR	EAT UN	IIT TYPE 3 (47	SQM)
Empl	oyer :NABARD GOA				
SR. NO.	ITEM OF WORK	ESTIMATED QUANTITY	UNIT	RATE (In Rupees) In Figures	AMOUNT (Rs.)
D	ELECTRICAL WORKS	<u> </u>	ı		
Α	Supply, Installation Testing & commissioning				
	of point wiring using 1.5sqmm x 2 + 1.5sqmm				
	copper multi-strand wire for Phase & neutral				
	in 20mm pvc conduit with, concealed boxes				
	with 10A Anchor roma accessories & required				
A 1	accessories. Upto 6m length	75	NI		
A1	LIGHT POINT	75 5	Nos.		
A2	TWO WAY LIGHT POINT FAN POINT	20	Nos.		
A3 A4	TWO WAY FAN POINT	10	Nos.		
A5	EXHUAST FAN POINT	10	Nos.		
A6	BELL POINT	5	Nos.		
		15			
A7 A8	10A PLUG POINT ON BOARD (HALF POINT) 10A PLUG POINT INDEPENDENT	35	Nos.		
A9	Fixing of 10L CAPACITY STORAGE WATER	5	Nos.		
73	GEYSER (VERTICAL TYPE) OF RACOLD OR		1103.		
	EQUIVALENT WITH SUPPORT				
A10	Fixing of 1200MM DIA CEILING FAN OF	20	Nos.		
	HAVELLS OR EQUIVALENT MAKE WITH				
	CAPPING, ROD, BRACKETS & BOLTS COMPLETE				
A11	Fixing of WATER PURIFIER WITH ACTIVATED	5	Nos.		
	CARBON & UV/UF FILTER OF AQUAGUARD				
	MAKE				
В	Supply, Installation, Testing & commissioning				
	of point wiring using 2X4 sqmm + 1X2.5sqmm				
	copper multi-strand wire for Phase & neutral				
	& earthing in 20mm pvc conduit with, concealed box with 20A Anchor Roma switch				
	& socket plate & required accessories. For AC				
	point consider MCB in lieu of Switch				
B1	20A POWER POINT INDEPENDENT	10	Nos.		
B2	AC POINT (With MCB instead of Switch)	5	Nos.		
В3	GYSER POINT	5	Nos.		
С	Supply ,Installation, Testing & commissioning				
	of circuit wiring using 2.5sqmm x 2 + 1.5sqmm				
	x 1 copper multi-strand wire for Phase &				
	neutral & earthing in 20mm pvc conduit &				
	required accessories.				
C1	2.5sqmm x 2 + 1.5sqmm x 1 CIRCUIT WIRING	900	mtr		
C2	4sqmm x 2 + 1.5sqmm x 1 CIRCUIT WIRING	375	mtr		
D	Supply ,Installation, Testing & commissioning				
	of Main Circuit wiring using 6sqmm x 4 + 4sqmm x 1 copper multi-strand wire for				
	3Phase & neutral & earthing in 25mm pvc				
	conduit & required accessories. From meter				
	room to DB				
D1	6sqmm x 4 + 2.5sqmm x 1c MAIN CIRCUIT	150	mtr		
	1	1		1	

Е	Supply, Installation Testing & commissioning				
-	of T.V. & Telephone point wiring using RG-6 or				
	3pair tel wire in 20mm pvc conduit with,				
	concealed boxe with Anchor Dyna switch plate				
	& required accessories.				
E1	T.V. POINT	10	Nos.		
E2	TELEPHONE POINT	10	Nos.		
G	Supply, Installation Testing & commissioning	10	1103.		
J	PLATE TYPE EARTHING using 600 X 600 X 6MM				
	GI Plate Duly erected AS PER IS3043 with				
	required Material & accessories.				
G1	EARTHING PIT	NA	nos		
G2	8SWG GI EARTH WIRE FORM DB to SHAFT	75	KGS		
G3	25MM X 3MM GI EARTHING STRIP	NA NA	KGS		
H	Installation, Testing & commissioning of	IVA	KG3		
''	ENERGY METER with required accessories,				
	Lead from Main Isolating Switch, cut-out &				
	Meter				
1	3 PHASE ENERGY METER	5	nos		
i	Installation, Testing & commissioning of DB	5	nos		
	with required accessories.		1.03		
	12 WAY ETPN DB as required, (Lighting &				
	Power DB)				
	1 No. Double door ETPN DB enclosure IP-43				
	with PPI Kit.				
	Incommer-				
	1 No.63A 4P MCB with 3 nos. 40 A DP, 30 mA				
	RCCB				
	Outgoings-				
	30 Nos. 10/16/25A SP MCB, C Curve.				
	Necessary blank plates (if require),				
	interconnection and accessories.				
	TOTAL AMOUNT OF ELECTRICAL WORK				
MATE	ERIAL:- PVC CONDUIT:- PRECISSION AND ACCESSORIES	, CONCEAL BO	XES :- Al	NCHOR OR LEG	GRAND,
SWIT	CHES & ACCESSORIES :- ANCHOR VOILA OR LEGRAND A	ARTEOR , WIRE	S :- ANC	HOR , RR CABL	ES,
OR FI	NOLEX ,CABLES :- POLYCAB , RAJ CAB or RAJANIGANDI	-: MCB DB, AA	MOOLEF	, LEGRAND or	SCHNIDER ,
MAIN	I SWITCH, BUSBAR :- KEW , HPL SOCHOMAC , SCHNIDE	R , CABLE TRY	:- GI ,		

MAIN SWITCH, BUSBAR :- KEW , HPL SOCHOMAC , SCHNIDER , CABLE TRY :- GI , EARTHING :- CHEMICAL OR TRADITIONAL

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SIGNATURE OF CONTRACTOR Place: WITH SEAL