

Detailed Estimation of Proposed Repairs & Renovation at Existing Guest house of Oriental Insurence Company at Plot No. 881, I A cross, I Stage, Indiranagar,							
SL NO	PARTICULARS & SPECIFICATIONS	UNIT	QUANTITY	TOTAL QUANTITY	RATE IN Rs.	AMOUNT in Rs.	REMARK
A	Painting & Polishing of Walls, Ceiling, Doors, Windows & Grill						
a1)	<u>Internal</u> :- To Existing Building Providing and applying painting in two coats with Premium plastic emulsion paint of approved brand on wall & Ceiling surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, Removing Distemper by Scrapping Including Repaire to Scratches, cost of materials,labour,complete as per specifications Including 1 Coat of Primer & touch up Putty Etc Completed						
i	Ceiling of all floors & internal walls of all floors	Sq.Ft	11200	11200			
a2)	<u>External</u> :- Re painting of existing external walls with two coats of Apex emulsion Paint Over 1 Coat of Asian Primer to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered materials, free from mortare drops and other foreign matter, Removing Colour, Wash by Scrapping & Sand Papering & Preparing the Surface Smooth Including Necessary repairs to Scratches, cost of materials,labour,complete as per specifications. Etc Completed	Sq.Ft	7957	7957			
a3)	<u>Doors, Windows & Grill</u> :- Re painting of existing doors & windows & Grill with Enamel, Providing and applying painting two coats of enamel Paint Over one Coat of Primer & Touch up Putty to given even shade, cleaning the surface of all dirt, dust and foregin matter, sand papering to Removing Colour, Wash by Scrapping & Sand Preparing & Preparing the Surface Smooth Including necessary repairs to Scratches, including cost of materials,labour,complete as per specifications Etc Complete						
i	doors	Sq.Ft	775	775			
ii	windows	Sq.Ft	1261.5	1261.5			
iii	Grill, Gate, Handrails (Rate Only)	Sq.Ft					
a4)	<u>Polishing</u> :- Re Polishing of existing doors & windows .Providing and applying wax polish in two coats or More on wood surface and / or wood based surface, with Ready Mixed Wax Polish of approved brand & Manufacture. to give an even surface after cleaning the surface of all dirt, dust and foreign matter , sand paped smooth, Including necessary repairs to Scratches including cost of materials,labour,complete as per specifications.etc. complete.						
i	Doors	Sq.Ft	400	400			
ii	Windows (rate Only)	Sq.Ft					

B Terrace Weather Proofing Work							
b1	<u>Weather Proofing</u> :- New weather proofing of Terrace of existing building, Providing and laying integral cement based weather proofing treatment With Average thickness of 7.5cms PCC (1:1.5:3) Layed to Slop, rammed & Finished & Providing & Laying in Position Yelanka tiles of 225mm*225mm of approved quality & make over a bed of Cement mortar 1:3 an average thieknness of 25mm Over 1 Coat of waterproof Compound Layer of Approved Make, Over PCC (1:1.5:3) Weather Proof Coanse including preparation of surface as required for treatment of roofs, balconies, terrace Including Curing Removing of Exstting damaged Weather Proof Coarse & Cleaning of Debries From Site As per Specification etc.complete.	Sq.Ft	1850	1850			
C Flooring of Open Area in Ground Floor							
c1	Re flooring of existing open area in Ground Floor with Urocon Tiles (600*600mm) , Providing flooring with Eurocon tiles of approved quality & make , including cutting the tiles to the required size and fixing in CM 1:4 Over bedconcrete to PCC (1:3:6) with 4"Thickness etc Completed, Removing to existing bed & Flooring, Clearing of Debries From Site, Curing, Cost of Material, Labour etc Compete as per Specification.	Sq.ft	850	850			
D Flooring of all internal Floors							
d1	Re flooring of on existing flooring in all Floors with Vitrified Tiles, Providing flooring with vitrified tiles 600*600 of approved quality & make , fixed on top of existing flooring fixed with suitable adhesive of approved brand & make including cutting the tiles to the required size and fixing etc., complete.) (BP@ Rs.75/- Sqft), Curing, Clearing of debries from Site, Cost of Material, Labour etc Completed As per Specification						
i	Flooring of all floors	Sq.Ft	2400	2400			
ii	Skirting of all floors	Rft	600	600			
E Flooring & Railing for steps in Staircase room							
e1	New Stainless Steel Hand rails of existing Staircase Providing & Fixing S.S Pipe railing, Finishing the Grouted Surface, the SS Railing made of top & Vertical with 50mm size & Other Horizontal Sections with 30mm size Including Cutting, Welding, Grinding, Fixing in Position, Finishing Complete as per Specification & Direction, Clearing of Debries & Old Railings, Cost of Material, Labour Etc Complete	Rft.	45	45			
e2	<u>Re flooring of existing Stair case with Pre Polished granite Stone Slab</u> : (Specification : Providing and laying pattern flooring for staircase treads, risers & Skirting using 20mm thick Pre Polished granite Stone Slab . The granite material is laid on bed of CM 1:3 20mm thick pointed with colour pigment, including full rounding for nosing and curing etc., complete .) Including Removing of Existing Flooring, Preparing Surface ,Shifting of Debries (BP @ Rs.150/- Sqft) As per Specification	Sq.Ft	300	300			
F Ceramic Tiles for Wall for cladding & Anti Skid Tiles for flooring (Bathrooms)							
f1	<u>Ceramic Tiles for Wall for cladding</u> : Providing ceramic tiles Antiskid Tiles of approved make , shade and size for flooring & Walls and landings laid on a bed of 20mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials , labour, Removing fo Existing Tiles & Mortar curing,complete as per specifications, (B.P.@ Rs.60/-Sqft), Clearing of debries. etc. complete.						
	Walls	Sqft	1000	1000			

f2	Anti Skid Tiles for flooring of approved quality & make over a bed of Cement mortar 1:3 an average thickness of 25mm Over 1 Coat of waterproof Compound Layer of Approved Make, Over PCC (1:1.5:3) Weather Proof Coarse including preparation of surface as required for treatment, Including Curing Removing of Exstting damaged Weather Proof Coarse & Cleaning of Debries From Site As per Specification etc.complete.	Sq.Ft	300	300			
G Plumbing Works & Overhead Water Tank							
	Plumbing and Sanitary works With approved brand and make material & labour charges dismantling & removing of existing plumbing & sanitary works where ever required , Earth work, Redoing of S S Masonary, RCC, PCC with(1:1.5:3) ,clearing debries,etc. complete as per specification.(Rate Only)						
g1	Supply & Fixing of 40mm CPVC Pipe 10 kg/sq.cm working pressure, Collar, Elbow, Tee, reducer & Elbow brass), reducer collar(brass) for plumbing line(Rate only) etc., Complete Clamps, CPVC Solvent, Pressure Checking for Leakage (Rate Only)	Rft.					
g2	Supply & Fixing of 25mm CPVC Pipe 10 kg/sq.cm working pressure, Collar, Elbow, Tee, reducer & Elbow brass), reducer collar(brass) for plumbing line etc., Complete Clamps, CPVC Solvent, Pressure Checking for Leakage	Rft.		500	500		
g3	Supply & Fixing of 20 mm CPVC Pipe 10 kg/sq.cm working pressure, Collar, Elbow, Tee, reducer & Elbow brass), reducer collar(brass) for plumbing line etc., Complete Clamps, CPVC Solvent, Pressure Checking for Leakage	Rft.		400	400		
g4	Supply and Fixing o f 110 mm PVC Pipe, 6kg working Pressure, Collar, Elbow, Tee, Clamps, Washer, Screws, PVC Solvent for Sanitary Line etc Complete	Rft.		150	150		
g5	Supply and Fixing o f 140mm PVC Pipe, 6kg working Pressure, Collar, Elbow, Tee, Clamps, Washer, Screws, PVC Solvent for Sanitary Line etc Complete (Rate Only)	Rft.					
g6	Providing & Construction of sanitary Chamber(2'x2') using TM Bricks in CM(1:4) with Plastering exposed surface 20mm thich with CM(1:4) Over 4" PCC(1:2:4) with PCC, cast iron top cover light duty etc complete	No		6	6		
g7	Suplly & Fixing of wash basin counter type including approved 20mm granite slab(42" long) with half round polish to exposed sides, includes Fisher bolt, Waste Coupling, Piller Cocoks for hot and cold (single lever), Angle Cock, Flange, Connection Pipe, Waste pipe,towel ring ,Mirror ofrequired size Etc, Completed (Rate Only) (Basic rate of Granite Rs 200/sq.ft)	No					
g8	Supplying & Fixing of Nani trap, Embedding in PCC (1:1.5:3), SS Top, etc Complete	No		8	8		
g9	Supplying, Lifting & Fixing of Polyethylene water tank (confirming to ISI specifications)double Layers(Sintex or Kaveri) tank of 2000 liters , Pedestal & Other Supporting Masonary,PCC & RCC works , to be connected to inlet & outlet Lines, Making leakage proof holes,plastering etc complete	No		1	1		
g10	Suplly & Fixing of Single lever Shower ,fixtures includes Angle Cock, Flange, Connection Pipe, Etc, Completed	No		8	8		
g11	Supply & Fixing of 75mm PVC Pipe 6kg/sq.cm working pressure, Collar, Elbow, Tee, reducer & Elbow brass), reducer collar(brass) for sanitary plumbing line(Rate only) etc., Complete Clamps, PVC Solvent, Pressure Checking for Leakage,making good in floor with pcc(1:1.5:3)	Rft.		150	150		
g12	Supply & Fixing of 90mm PVC Pipe 10 kg/sq.cm working pressure, Collar, Elbow, Tee, reducer & Elbow brass), reducer collar(brass) for plumbing line(Rate only) etc., Complete Clamps, PVC Solvent, Pressure Checking for Leakage,making good in floor with pcc(1:1.5:3)(Rate only)	Rft.					

g13	Supply & Fixing of 120mm PVC Pipe 10 kg/sq.cm working pressure, Collar, Elbow, Tee, reducer & Elbow brass), reducer collar(brass) for plumbing line etc., Complete Clamps, PVC Solvent, Pressure Checking for Leakage,making good in floor with pcc(1:1.5:3),(Rate only)	Rft.					
g14	Supply & Fixing of 150mm PVC Pipe 10 kg/sq.cm working pressure, Collar, Elbow, Tee, reducer & Elbow brass), reducer collar(brass) for plumbing line etc., Complete Clamps,PVC Solvent, Pressure Checking for Leakage,making good in floor with pcc(1:1.5:3),(Rate only)	Rft.					
g15	Providing and fixing ivory vitreous china clay water closet European type (P-Trap or S-trap) with black solid plastic seat and lid,CP brass hinges,rubber buffers,CP Pillar cock, CP Toilet roller holder,health fasset,10 litre low level PVC flushing cistern (all are approved make & confirming ISI specifications) with CI /MS brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements, painting of fittings and brackets, cutting and making good the wall and floor wherever required.	No		7	7		
g16	Providing and fixing ivory vitreous china clay wash basin with pedestal size of 600x480mm with a of 15mm CP brass single lever pillar tap for hot & cold water with pair of elbow operated levers, CI/MS brackets, 32mm CPbrass wase of standard pattern (all are approved make and confirming to ISI specifications) with CI /MS brackets,with fittings and clamps, painting of fittings and brackets, cutting and making good the wall and floor wherever required.	No		9	9		
H	Kitchen Stainless Steel Sink						
h1	Providing and fixing stainless steel kitchen sink of size of 510x915 bowl depth of 178 mm with drain board,mm with a 15mm CP brass pillar tap with a elbow operated lever, CI/MS brackets, 32mm CPbrass wase of standard pattern (all are approved make) with CI /MS brackets, 40mm stainless steel plug, with fittings and clamps, painting of fittings and brackets, cutting and making good the wall and floor wherever required.	No		3	3		
I	Bath Room, Compound & Gate Civil Work						
i1	<u>Earth Work Excavation</u> : Earth work excavation of foundation of structure as per drawing and technical specification, including setting out,construction of shoring and bracing, removal of stumps and other deleterious matter,dressing of sides and bottom,backfilling the excavation earth to the extend required and utilising the remaining earth locally for the work Shifting Extra Earth From Site	Cft	1000	1000			
i2	<u>P.C.C</u> : Providing and laying in Position plain cement concrete of mix 1:4:8 using 40mm and down size graded granite metal, machine mixed,concrete laid in layer not exceeding 15 cms. Thick well compacted, in foundation and plinth,including cost of all materials,labour,HOM of machinery,curing complete as per specification.	Cft	100	100			
i3	<u>S.S.M</u> : Providing and construting granite/trap/basalt size stone masonry in foundation with cement mortar 1:6, bond stone at two m.apart in each course including cost of materials, labour,curing complete as per specifications .	Cft	500				
i4	Providing and Constructing in position reinforced cement concrete of mix 1:1.5:3 with 20mm and down size graded granite metal,machine mixed,concrete laid in layers not exceeding 15cms thick,vibrated for R.C.C beams,columns of all sizes in foundation plinth and superstructure floor level for columns,including cost of all materials,labour, Centring, Scaffolding, HOM of machinery,curing, Etc complete as per specification. (Rate Only)	Cft					
i5	<u>B.B.M (Burnt Brick Masonry)</u> : Providing and constructing burnt brick masonry with approved quality of Table mould Bricks (Chamber) Bricks 9" & 4.5" with cement mortar 1:5 for basement and superstructure including cost of materials, labour charges,scaffolding,curing complete as per specifications.	CFT	600	600			

i6	<u>Plastering (Cealing Internal Wall, External Wall, Concrete Surfaces & MS Surface)</u> : Providing 20mm thick cement plaster in single coat with cement mortar 1:5 to brick masonry, Sunshades,loft,RCC works, Beams, Columns, Roof Cealing, Etc including rounding off corners wherever requiered smooth rendering. Providing and removing scaffolding.including cost of materials,labour,curing complete as per specifications. (Including Finishing with a Thin Coat of Lime Paste Where ever Rquired)	Sft	2500	2500			
i7	Providing B.S.Stone Slab over Drain in Ground Floor. Providing & Laying of 125mm thick Double Line Dressed BS Stone Slab with Edges Chambered in CM (1:4) Over size Stone Masonary Support wall of 18" Width & 24" Depth in (CM 1:6) over 4" PCC (1:3:6) Including Removing Exiting Structure, Earth Work, Material, Labour, Shifting of Debries etc., complete, as per Specification.	Sq.Ft	200	200			
i8	Removing Exiting Structure, Labour, Shifting of Debries etc.,including cutting brickwalls with machine , removing concrete with concrete cutting machine etc complete, as per Specification(Rate only).						
i	Table mould Bricks	cft					
ii	Reinforced cement concrete of mix 1:1.5:3	cft					
iii	Size stone masonry in foundation	cft					
i9	<u>Providing new Gate after removing of existing Gate in Ground Floor including finishing</u> : (Specifications : Providing and fixing M.S Gates flats, or M.S.square rods MS Pipes of as per approved design , drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, Fixing the Same at Site cost of materials,fixture,labour and HOM of machinery complete as per specifications & Direction) (Design Similar to Existing Gate). Including Removing of Existing gate and removing debries from site.	Sq.ft	125	125			
i10	Reinforced Cement Concrete of Nominal Mix (1:1.5:3) Using 20mm & and Down size Grade Granite Metal, Machine Mixed, Vidrated for All Works in Foundation, Columns, Plinth, Lintal, Chjja, Beam, roof, Staircase, Including Centring, Shuttering, Cost of Material, Labour, HOM of Machinery, Curring Completed as per Specification, Removing Centring, Etc Complete.	CFT	250	250			
i11	Providing TMT Steel reinfoement for RCC Work Including Straightening, Cutting, Bending, Hooking, placing in Position, Laping, Welding Wherever Required, Tying with Bending Wire and Anchoring of adjoining Members Wherever Necessary as per Design (Laps & Wastage Shall Not be Measured & Paid), Cost of Material, Labour Etc Complete As per Specification	kgs	900	900			
i12	Providing Steel Fabrication L Angle, Channel, I Section, box Section As per Design for Supporting RCC Work Including Straightening, Cutting, Bending, Hooking, Placing in Position, Laping and Welding, Tying with Bending Wire & with adjoining Members Wherever, Necessary as per Design, Wastage Shall not be Measured & Paid, Cost of Materials, Labours Etc Complete, As per Specification. (Rate Only)	kgs					
J	Electrical Works , Fan, Tubelight,Exast Fan & Geygers						
	Electrical works With approved brand and make material & labour charges,making grooves, holes,fixing pipes, metal box, clamps,dismantling & removing of existing electrical items where ever required , Earth work, Redoing of BB Masonary, S S Masonary, RCC, PCC with(1:1.5:3) ,clearing debries,etc. complete as per specification.						

j1	PVC CONDUIT : Supplying heavy gauge PVC Conduct pipe 2mm thick conforming to IS 2509 with suitable size bends, Metal junction boxes, adhesive paste, Metal fanbox, deep junction box, Etc., by groove Cutting in the wall & RCC fixing by bracing V or J Hooks and Cement plastering up to the wall Surface and run with 18SWG GI fish wire run throughout the conduit - Wherever necessary,						
i	Supply & Fixing of 25mm pvc Pipes, with Collar, Elbow, Tee, reducer & clamps, etc., Complete . (Rate only)	Rft					
ii	Supply & Fixing of 19mm pvc Pipes, with Collar, Elbow, Tee, reducer & clamps, etc., Complete . (Rate only)	Rft					
J2	WIRES AND CABLES : Wiring for light / Power Circuit using one of FRLS PVC Insulated 1100 V Grade, Multistrand Copper Single core in Concealed System of Wiring with Specified is 694-1990 in Existing PVC Conduct and						
	Supply & Fixing of electrical wires of approved brand including material, labour etc., Complete . (Rate only)						
i	1 Sq.mm (1/18) electrical wire of approved make	Rft.					
ii	1.5 Sq.mm (1/22) electrical wire of approved make	Rft.					
iii	2.5 Sq.mm (1/20) electrical wire of approved make	Rft.					
iv	4 Sq.mm (7/20) electrical wire of approved make	Rft.					
v	6 Sq.mm (7/30) electrical wire of approved make	Rft.					
vi	RJ 6 TV Cable of approved make including material, labour etc., Complete . (Rate only)	Rft.					
vii	3 Pair Telephone cable of approved make including material, labour etc., Complete . (Rate only)	Rft.					
viii	CAT 5 Networking cable of approved make including material, labour etc., Complete . (Rate only)	Rft.					
J3	Switches, Sockets & Accessories						
	Supplying flush type socket flush type SP Switch, Flush mounting powder coated/galvanized metal box with modular switch Plates, the box should be firmly flush Mounted after due groove cutting bricks / Stones/ Cement - Concrete including necessary plugs, screws etc Completed.						
i	Supply & Fixing of electrical Socket & Switches(6 Amps) approved make including material, labour etc., Complete . (Rate only)	Nos					
ii	Supply & Fixing of electrical Socket & Switches with indicators(16 Amps) approved make including material, labour etc., Complete . (Rate only)	Nos					
iii	Supply & Fixing of electrical DP Socket & Switches(20 Amps & 32 Amps) approved make including material, labour etc., Complete . (Rate only)	Nos					
IV	Supply & Fixing of electrical 2-way Socket & Switches(6 Amps) approved make including material, labour etc., Complete . (Rate only)	Nos					
V	Supply & Fixing of electrical Fan regulators (300 Amps) approved make including material, labour etc., Complete . (Rate only)	Nos					
Vi	Supply & Fixing of electrical 5 Pin Universal Sockets & Switches (16 Amps) approved make including material, labour etc., Complete . (Rate only)	Nos					
vii	Supply & Fixing of electrical Angle Holder or Batten Holder including screws, chake,accessories of approved make including material, labour etc., Complete . (Rate only)	Nos					

viii	Supply & Fixing of electrical Fan Cover including screws, chake,accessories of approved make including material, labour etc., Complete . (Rate only)	Nos				
J 4	Tube lights					
	Supplying box type Suitable for 28 watts Fluorescent tube fitting, straight or slant batten holder for use on 230volts AC including necessary plugs,screws,material, labour etc complete. (Rate only)					
i	Single lamp with 4'length	Nos				
ii	Double lamp with 4' length	Nos				
J 5	Supplying exhaust fan of 1440 rpm of 12" Size with bracket blades complete for light duty suitable to operate on 230V,50 HZ AC Supply including necessary plugs,screws,material, labour etc complete.providing 6" pvc pipe with core cutting of masonry wall	Nos	8	8		
J6	Supplying Capacitor Type Cealing fan Completed with Down Rod Blades, Shackles, Canopies Etc... for Operation on 230 volts, 50 Cycles, Single Phase AC Supply Confirming to IS-374-1979 & With Double fall bearing System, 48" Sweep Regular Model, including necessary plugs,screws,material, labour etc complete. (Rate only)	Nos				
J7	Supplying 35 Litters Capacity Vertical / Horizontal Type Wall Mounting Electrical Water Heater (Geysers) with 22 SWG Copper, SS Sheet Metal Inner Container tinned inside and anti corosive Paint out side & 20 SWG MS Sheet Metal Outer Cover, Between inner & Outer Container filled with glass wool Complete with inlet & Outlet Pipes, The Inner Container shall have direct Immersion type Copper tube Nicketplate .2KW Capacity element with a Neon indicator fitted with 20A Capacity 25 to 85 degreeCentigrade range thermostat, Outer Container Provided with Heavy Gauge Brackets for Wall Mounting including necessary plugs,screws,material, labour etc complete.	Nos	5	5		
K	Doors & Windows					
k1	<u>Door of sal frame & Flush Shutter for Door & Glaged Shutters with grill & Sal Frames for Windows & ventilators</u> : Providing Seasoned Sal wood frames of size 75 mm *125mm Doors , Windows, ventilators and others frames, framed or assembled including making plaster grooves, 35mm Flush Shutters with one side teak & one side commercial Including Rquired hinges, Handles,tower bolts,door stopper ,allround edge teak beeding & all round frame teakbeeding for plastering,Cylidrical Lock including cost of materials, labour, Grill, Fixing in Place machinries,etc. making hole & cuttings in RCC &masonry, removal of debries, Redoing of BB Masonary, S S Masonary, RCC, PCC with(1:1.5:3) ,clearing debries,etc. complete as per specifications .	Sq.Ft	120	120		
k2	<u>Door of Teak frame & One Side Teak Verner for flush Shutters</u> : Providing Seasoned Teak wood frames of size 75 mm *125mm Doors , Windows, ventilators and others frames, framed or assembled including making plaster grooves, 35mm Flush Shutters with one side teak & one side commercial Including Rquired hinges, Handles,tower bolts,door stopper ,allround edge teak beeding & all round frame teakbeeding for plastering,Cylidrical Lock including cost of materials, labour, Grill, Fixing in Place machinries,etc. making hole & cuttings in RCC &masonry, removal of debries, Redoing of BB Masonary, S S Masonary, RCC, PCC with(1:1.5:3) ,clearing debries,etc. complete as per specifications .	Sq.Ft	21	21		

L	For Open Area Terrace, Aluminium Windows, Aluminium Partition Wall, Galvonum sheet						
ii	<p>KSRB 7.10: Providing & fixing in position aluminium windows & ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. With 1.2mm thick, bottom section weight 06.95kg/m, sides & top sections 1.3 mm, thick weight 0.659 kg/m: & shutter comprising top & bottom section of size 40mmX18mm, 1.25mm thick 0.417 kg./m: shutter outer 40mmX18mm, 1.25 mm, thick weight 0.417 kg/m, shutter interlock section 40mmX26.7mm, 1.1mm thick, weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quilty of fixtures such as aluminium handles tower bolts etc: and providing & fixing 5.5 mm. thick plain glass for shutters fitted with rubber beading aluminium sections including cutting to required length, joints mitred subdividing the frame tenoned & rivetted in the assembled frame stiffened with & clips at corners angles etc., & fixed to the walls, lintels, floor beams/cills, as the case may be with necessary steel screws, raul plugs, or teak wood gattles including cutting masonry or concrete and making good the original surface using cement mortar, aluminium sections pretreated for removal of any specification No.KBS. using aluminium section powdered coated to a minimum of 60-70 microns with exterior pure polyester grade powder of approved quality(Rate Only)</p>						
12	<p>Providing, fabricating, assembling & fixing in position aluminium partitions using sections in combination of plain, single groove & double groove as per requirements for the frames of over all size 101.6mmx44.45mm, 3.18mm, thick having section weight, plain sections 2.40kg/m single groove section 2.541kg/m. & double groove section 2.683 kg/m & bottom bottom member 114.3mmx44.45mm 3.18mm thick & 2.6 46 kg/m, aluminium louvers of size 77.6mmx27.6mm 1.7mm. thick section weight 0.483kg/m., bottom portions provided with 12mm, thick pre laminated sheet both side of approved colour lamination exterior grade: aluminium sections of mat finish of glossy finish using section, spacing of vertical members shall not exceed 0.6m .c toc: sections are cut to the required lengths, joint , mitred & corners frinded subdividing frames tenoned & riveted to the frames. the assembled frame should be stiffened with corner angles stripped & fixed with screws, rawl plugs & teak wood gutties to R.C.C. columns or masonry on sides, R.C.C. lintels or beams, at top & floor @ bottom, including cutting chistling & making good with cement mortar to match the surface, providing & fixing the bottom panel filled with the materials to a height of 0.9m. from floor level ; & 5.5mm. thick plain glass for middle portion viz., 0.9m to 2.13m & top panel with lower sections, the glass & panels fitted with glazing clips of 19mm X 17.3mm. with thickness of 0.9mm weight 0.124 kg/m; aluminium sections pre-treated for removal of any rust & prevention of further rust formation , & coated with greasy materials for non- adherence of morters or any other Sticky materials; vertical members embedded in the flooring by making suitable size holes & fixing with cement mortar with necessary opening for fixing of Doors of standard Size(excluding cost of Door opening) all the frame should be thoroughly cleaned free from Rust, Scale or dirt including cost of material, fixtures, labour & HOM of machinery complete as per specification. Using aluminium section Powderd Coated to a minimum of 60-70 microns with exterior durable pure Polyester grade powder of approved Quality(Rate Only)</p>						

13	Providing & Fixing in Position 12mm Thick, Plaster to Pais (Gypsum board) for ceiling that surface fixed to Aluminium frames & rendered & mooth with plaster of paris including cost of Material, Laboure, Curring Complete as per Specification (Rate Only)					
14	Providing & Laying required line & Slope roofing with Galvanum Sheet of thickness 0.7mm , Purlins, ratters, & Trusses Including cost of Material, Labour Complete asw per Specification(Rate Only)					
<p align="center">NOTE: Only river sand confirming to IS specifications should be used for cement mortar & cement concrete works</p>						