

Centre of Plasma Physics  
Institute for Plasma Research  
Nazirakhat, Tepesia, Sonapur, Kamrup (M)  
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**TENDER DOCUMENT**

**PRICE BID**

**Name of Work :** Construction of Hostel Building and Related  
Development work at CPP-IPR,Nazirakhat,  
Tepesia, Sonapur, Kamrup (M),  
Assam – 782402

**NIT No.:** CPP-IPR/NIT/2016-17/42

**Dated:**10.11.2016

**Issued To :** .....

**Address :** .....

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**Phone No. :** .....

**E-mail ID :** .....

**Issued On :** .....

**Last Date for Submission :** .....

**Date of Opening :Only Eligible Tenderers shall be informed after Technical Bid.**

**Address of Tender Inviting Authority** Centre Director  
Centre of Plasma Physics  
Institute for Plasma Research  
Nazirakhat, Tepesia, Sonapur, Kamrup (M)  
Pincode – 782402  
Assam

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
(I)	SUB STRUCTURE:					
1.00	SITE GRADING WORK:					
1.01	Earth work excavation over areas by mechanical means (Hydraulic excavator) / manual means to required profile, level, grade, camber etc. in all soils other than soft & hard rock, including shoring, dressing, trimming of excavated area and stacking / disposing the excavated materials within the campus by mechanical transport. Rate including loading, unloading, stacking, spreading, levelling etc. complete and all inherent lifts etc. complete all as per specification, drawing and as directed by the Engineer -In-Charge.	cum	6944.00			
1.02	Extra for disposing / stacking excavated materials by mechanical transport to suitable dumping area as approved by statutory authority outside the campus including loading, unloading, stacking, spreading, levelling etc. complete and all inherent lifts etc. complete all as per specification, drawing and as directed by the Engineer -In-Charge.	Cum	1150.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
1.03	Excavation in ordinary Rock by all means and disposing / stacking excavated materials by mechanical transport to suitable dumping area as approved by statutory authority outside the campus including loading, unloading, stacking, spreading, levelling etc. complete and all inherent lifts etc. complete all as per specification, drawing and as directed by the Engineer -In-Charge.	Cum	1.00			
1.04	Excavation in Hard Rock by all means ( requiring blasting ) and disposing / stacking excavated materials by mechanical transport to suitable dumping area as approved by statutory authority outside the campus including loading, unloading, stacking, spreading, levelling etc. complete and all inherent lifts etc. complete all as per specification, drawing and as directed by the Engineer -In-Charge.	Cum	1.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	<p>Note :</p> <p>a) Voids @ 20% for soils and 50% for soft rock/hard rock shall be deducted from fully loaded truck measurements to arrive at the net quantity for payment in case direct measurement is not possible.</p> <p>b) The quoted rate shall be inclusive of all charges if any from the statutory authorities such as royalty etc.</p>					
(II)	SUB STRUCTURE WORKS FOR BUILDING:					
2.00	EARTH WORK					
2.01	<p>Earth work excavation in foundation pits, plinth / tie beams, pile cap, trenches, basement, raft,walls, lift pit etc. in soft rock upto depths mentioned below including shoring if necessary,dressing the sides, trimming, ramming and preparing the bed for foundation and refilling around the foundation and in plinth with selected excavated earth, in layers not exceeding 150mm. thick, watering, consolidation to obtain 90% proctor density and</p>	cum	2430.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	disposing of the surplus earth within the campus by mechanical transport. Rate including loading, unloading, stacking, spreading, levelling etc. complete and all inherent lifts etc. complete all as per specification, drawing and as directed by the Engineer -In-Charge.  Upto a depth of 2.5 m at all levels					
2.02	Filling in plinth with selected silver sand brought from outside the Campus by mechanical transport including all leads lifts, loading, unloading, stacking, levelling, spreading, in layers flooding with water for consolidation etc. complete as per specifications, drawings & as directed by the Engineer in Charge.  Note : a) Measurement for the above item shall be based on the net quantity of consolidated earth filling at site of work.  b) The quoted rate shall be inclusive of all charges if any from the statutory authorities such as royalty etc	cum	554.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
3.00	FLAT BRICK SOLING:					
3.01	<p>Providing 75mm thick flat brick soling in one layer with using well burnt bricks from approved lot of class designation 7.50 (classification as per IS 1077-1992 and min. average compression strength not less than 7.50 N/mm<sup>2</sup>) of approved manufacturer at all locations of sub base to floor and in plinth protection and below foundation laid flat to required level slopes etc. as shown including blinding the interstices with approved quality sand including watering and pointing with cement mortar 1:6 finishing curing etc. complete as per specifications and drawings and directed by the Engineer in Charge.</p> <p>Note: (a)The contractor shall get approved the samples of bricks from the Engineer-In- Charge before procurement on large scale and shall maintain the same for the entire work</p>	sqm	2127.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	b) The rate shall include cost of making the brick masonry to all geometrical shapes and sizes and all lead/ lift without any extra cost to the Department.					
4.00	CEMENT CONCRETE:					
4.01	<p>Cement concrete of specified grades at all locations, depths and levels for the following works using graded stone aggregate of 20mm. maximum size including necessary form work, machine mixing, transporting, placing in position consolidation, finishing, curing etc. complete as per specifications, drawings &amp; as directed by the Engineer in charge.</p> <p>a) PCC of grade M10 / PCC 1:3:6 (1 Cement : 3 Coarse Sand : 6 Coarse Aggregate ) in foundation, mudmat course etc.</p>	cum	96.00			
4.02	<p>b) PCC of grade M15 / PCC 1:2:4 (1 Cement : 2 Coarse Sand : 4 Coarse Aggregate ) in sub base flooring, ramps, etc., 50mm Thick.</p> <p>Notes :- Reinforcement provided if any shall be measured &amp; paid under relevant item.</p>	sqm	2141.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
5.00	RCC WORKS:					
5.01	<p>Reinforced Cement Concrete of grade M-20 in foundation and plinth at all levels and location conforming to IS: 456-2000 and IS: 13920 using 20mm. maximum size down graded stone aggregate including machine mixing, conveying, placing in position, mechanical consolidation, finishing, curing etc. complete as per specifications, drawings and as directed by the Engineer in Charge</p> <p>For all type of structural / RCC elements of all geometrical shape.</p> <p>Notes :</p> <p>a) Cement for structural works shall be OPC/PPC ISI marked and duly approved by the Engineer-in-charge</p> <p>b) PPC/blended cement of ISI marked shall only be used for finishing works on prior approval of Engineer-in-charge</p> <p>c) All RCC work shall be controlled concrete unless otherwise specified and shall be carried out strictly in accordance with the drawings and specifications.</p>	Cum	550.00			



Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	<p>d) The rates for RCC works shall be exclusive of cost of reinforcement and form work unless otherwise mentioned.</p> <p>e) All coarse aggregate to be of 20mm. maximum size &amp; uniformly graded unless otherwise mentioned.</p> <p>f) For all RCC items, the rates quoted shall include the following without any extra cost to the Department.</p> <p>i) Spacers to maintain clear cover for reinforcement.</p> <p>ii) Fixing at correct level and in proper alignment the inserts, pipe sleeves, pipe bends, hooks, other pipe specials etc. ( The quantity will be measured and paid under the relevant item.)</p> <p>g) Test for concrete shall be done as per IS 456-2000 and the cost of the same shall be borne by the contractor.</p>					

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
6.00	SHUTTERING WORKS:					
6.01	<p>Providing, erecting, fixing in position striking / removing and cleaning steel / timber shuttering &amp; centering for form work in foundation for pile</p> <p>caps, plinth or tie beams, lift pits, cable trenches, electrical pits etc. at all locations for all geometrical shapes in plain, curved surfaces of structural / RCC elements including chamfers, splays, keys, wedges, props, rails, bracings, brackets, cutting holes for pipes etc., providing &amp; applying approved form oil on all surfaces of form work coming in contact with concrete including close hacking of all exposed concrete work after removal of form work, all materials, labour etc. complete as per specifications drawings and as directed by the Engineer-in-charge.</p> <p>Note:- a) Area of form work in contact with concrete shall only be measured for payment and stop boards for construction joints will not be measured for payment.</p>	Sqm	739.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	b) The rate of form work shall include all type of structural / RCC elements and geometric shapes including circular and any other curved surfaces.					
7.00	REINFORCEMENT:					
7.01	<p>Reinforcement for RCC work including supplying, delivering, storing of various diameters as required at site of work including loading, unloading, sporting, decoiling, straightening, cutting, bending, placing in position at all locations, all height , all floors &amp; all levels and binding with 18 gauge, soft drawn annealed steel binding wire including carrying out various tests as required etc. all as per specifications, drawings &amp; as directed by the Engineer in charge. (Cost of binding wire shall be borne by the contractor &amp; shall not be measured for payment).</p> <p>Thermo Mechanically Treated bars of grade Fe-500D manufactured by SAIL, TATA STEEL and RINL only.( The rate for reinforcement work should be for all height, all floors and all levels)</p>	MT	74.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	Note:- The cost of binding wire shall be borne by the contractor and binding wire shall not be measured for payment.					
8.00	FULL BRICK WORK:					
8.01	Brick masonry work in foundation and plinth, cable pits, trench, steps etc. using well burnt bricks from approved lot of class designation 7.50 (classification as per IS 1077-1992 and min. average compression strength not less than 7.50 N/mm <sup>2</sup> ) in C.M 1: 4 to correct line, level and plumb including raking out joints/ simultaneous flush pointing with cement mortar 1:4, curing, scaffolding etc. complete as per specifications, drawings and as directed by Engineer in Charge.  Note: a) One brick wall thickness shall be considered as 250 mm & lesser wall thickness if any shall be made up accordingly by the contractor by applying cement mortar of mix 1:4 in proper line, level & plumb without any extra cost to the department.	Cum	215.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	<p>b) The rate shall include cost of making the brick masonry to all geometrical shapes and sizes without any extra cost to the Department.</p> <p>c)The contractor shall get approved the samples of bricks from the Engineer-In-Charge before procurement on large scale and shall maintain the same for the entire work</p> <p>d) Necessary Openings/nitches/cut-outs, wherever required as per drawings and asked for by the Engineer-In-Charge, shall be provided by the contractor without any extra cost.</p>					
9.00	10MM THICK PLASTERING:					
9.01	10mm thick cement plaster 1:4 in single coat at all locations to correct line, level, plane and plumb for cable pits, trenches, chambers, steps etc., finished smooth with neat cement finish,including preparing the surface, scaffolding, curing etc. all complete as per drawings,specifications and as directed by the Engineer in Charge.	Sqm	1320.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
10.00	ANTITERMITE TREATMENT:					
10.01	<p>Supplying and spreading pesticides chlorpyriphos or other chemical approved by central insecticides board as directed by the manufacturer and spraying the mixture uniformly by sprayer as pre-construction anti- termite treatment at the rate of 7.5 liters per sq.m. on vertical and 5 ltrs. per sq.m. on horizontal surfaces (or as directed by the manufacturer ) within the trenches, 50% of the emulsion to be filled in the holes made in trenches at 150mm.</p> <p>centre to centre etc. complete as per IS 6313 Part-II &amp; as directed by the Engineer-in-charge. (The payment will be made on the basis of plinth area measurement only at ground floor/stilt area for all stages of operation and vertical face will not be measured for payment) complete as per specifications, drawings and as directed by the Engineer-in-charge.</p>	Sqm	673.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	<p>Note:-</p> <p>a) This item will be executed through approved agency who is a member of Indian Pest control Association, approved by Central Insecticides Board.</p> <p>b) The contractor shall have to furnish 10(ten) years guarantee in the prescribed proforma as per Section 10(iv) Conditions and Clauses of Contract 2008 to maintain the anti-termite treated area / structure free from termite.</p> <p>c) Prior approval of Engineer in Charge shall be obtained after testing the chemical for antitermite to be used and shall be tested in approved laboratory and to be submitted to</p> <p>Engineer in Charge. Cost of testing shall be included in the rates quoted.</p>					

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
11.00	DPC:					
11.01	<p>Providing and laying damp proof course 38mm thick at plinth level in cement concrete 1:2:4 using 10mm. maximum size and down graded stone aggregate, mixed with approved water</p> <p>proofing compound at 2% by weight of cement laid to levels, slopes etc. including applying a coat of hot bitumen of grade 80/100 at 17 kg./10 Sqm including cost of form work, curing, Scaffolding etc all complete as per specifications &amp; as directed by the Engineer in charge.</p>	Sqm	210.00			
12.00	GRATING WORKS:					
12.01	<p>Structural steel work in frames, covers, using angles, tees, flats, bars , chequered plates, inserts fabricated out of mild steel bars, ISMC,ISMB, ,angles, pipes , plates and diaphragm plates for expansion joints etc. of all shapes, sizes including supplying, cutting, fabricating, welding, erecting, making holes/chases wherever required and fixing /embedding in position in</p>	MT	0.27			



Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	<p>concrete/brick work with necessary hold fasts/ screws &amp; rawl plugs and finishing the concrete/ brick work after fixing /embedding including painting two coats of anticorrosive bitumastic paint</p> <p>on all unexposed surfaces and two coats of synthetic enamel paint of approved make and colour on all exposed surfaces over a coat of approved steel primer etc. complete as per</p> <p>specifications, drawings and as directed by the Engineer in charge.</p> <p>Note : One sample of each item should be submitted for preliminary inspection and approval before procurement /manufacturing on large scale. After the preliminary inspection and approval,the sample should be fixed at site or kept in the office of the Engineer-in-charge till completion of the work.</p>					

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
13.00	NP2 CLASS HUME PIPE:					
13.01	<p>Providing &amp; laying NP 2 class of following RC hume pipe including making holes in masonry/ concrete work wherever required, making good</p> <p>the holes after laying the hume pipe with collar joints using stiff mixture of cement mortar (1:2) and sealing open ends with wooden bush etc. all complete as per specifications &amp; as directed by the Engineer-in-charge.</p>					
13.01A	a) 150mm dia pipes	RM	36.00			
13.01B	<p>b) 250mm dia pipes</p> <p>Note : Rate including excavation and refilling for making good the surface. No extra payment shall be made for removing the surplus materials from the excavated site.</p>	RM	18.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
(III)	ITEMS FOR SUPER STRUCTURE: i) Super structure items included in this schedule pertains to all the works above plinth level upto roof including parapets, water tanks,machine room, terrace level works etc. unless specified otherwise.					
14.00	REINFORCEMENT CEMENT CONCRETE:					
14.01	Reinforced cement concrete of grade M-20 in super structure conforming to IS:456-2000 and IS 13920 at all floors and levels for all structural members in all geometrical shapes / design as per drawings using graded stone aggregate of 20mm and down graded including machine mixing, conveying, placing in position, mechanical consolidation, finishing, curing, etc.complete all as per drawings, specifications and as directed by Engineer in Charge.					
	a) For all type of structural / RCC elements of all geometrical shape.( Reinforcement Cement Concrete should be done in design mixed )	Cum	853.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	<p>Note:</p> <p>a) No extra payment for providing RMC (Ready Mixed Concrete) conforming to IS 4926 (Latest) in lieu of conventional RCC items supplied by approved RMC manufacturers for all type of structural elements including transporting, pumping etc. complete as per instruction of the Engineer in Charge.</p> <p>b) Prior approval of Engineer in charge for the supplier of RMC to be taken</p> <p>c) No extra payment for shapes, sizes, curves, slopes etc shall be entertained.</p> <p>d) Cement for structural works shall be OPC/PPC ISI marked and duly approved by the Engineer-in-charge</p> <p>e) PPC/blended cement of ISI marked shall only be used for finishing works on prior approval of Engineer-in-charge</p>					

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	<p>f) All RCC works shall be controlled concrete unless otherwise specified and shall be carried out strictly in accordance with the drawings, specifications and as directed by the Engineer in Charge.</p> <p>g) The rates for RCC works shall be exclusive of cost of reinforcement and form work unless otherwise mentioned.</p> <p>h) All coarse aggregate to be 20mm. Maximum size and uniformly graded unless otherwise mentioned.</p> <p>i) For all RCC items, the rates quoted shall include the following without any extra cost to the Department.</p> <p>i) .Spacers to maintain clear cover for reinforcement</p> <p>ii. Fixing at correct level and in proper alignment the inserts, pipe sleeves, pipe bends, fan hooks, other pipe specials etc.</p> <p>iii. Cut out in slabs, construction joints etc.</p>					

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	J) Test for concrete shall be done as per IS 456-2000 and other relevant codes and the cost of the same shall be borne by the contractor					
15.00	FORM WORK					
15.01	<p>Providing, erecting, fixing in position, striking / removing and cleaning steel / timber shuttering &amp; centering for form work at all level &amp; locations for Columns, Pillars, Posts, Strut, Sides and Soffits of Beams, beam haunchings, cantilever girdes, bressumers, lintels and horizontal ties as per drawings including rails, bracings, props, brackets, cutting holes for pipes etc., providing &amp;</p> <p>applying approved form oil on all surfaces of form work coming in contact with concrete including close hacking of all exposed concrete work after removal of form work, all materials, labour etc. complete as per specifications, drawings &amp; as directed by the Engineer in charge.</p> <p>a) All type of structural / RCC elements including all geometric shapes and single / multiple staging.</p>	Sqm	3882.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
15.02	<p>Providing, erecting, fixing, centering and shuttering work for flat surfaces such as slab, soffits of suspended floors, roofs, landing, cantilever slabs, chajjas, balconies, vertical surfaces such as walls, retaining walls (any thickness), parapet walls, partitions, walls of septic tank, inspection pit, staircase with sloping or stepped soffits including risers and stringers and like using ply board / Wood / Steel Plates to obtain form finished concrete surfaces of F3 finish to ceilings at all heights &amp; locations including single / multiple staging for all geometrical shapes in plane, curved surfaces of structural / RCC elements including</p> <p>chamfers, splays, keys, wedges, props, rails, bracings, brackets, cutting hole for pipes etc.</p> <p>providing and applying approved form oil to all surfaces of form work coming in contact with concrete and skirting /</p> <p>removal of the same including finishing by filling form -tie - hole , removal of fins, ridges, and irregularities by grinding filling air holes, with sack rubbed finish,</p>	Sqm	1840.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	<p>cleaning up loose and adhering debris including all materials labour etc. complete as per specification, drawings and as directed by Engineer in charge.</p> <p>Note:</p> <p>a) For double / multi stage shuttering design calculations and details / drawings for scaffolding shall be submitted by the contractor well in advance. Prior written approval of form work shall be obtained from Engineer in Charge, before commencement of work.</p> <p>b) Area of form work in contact with concrete shall only be measured for payment &amp; stop boards for construction joints etc. will not be measured for payment.</p> <p>c) The rate for formwork shall include all type of structural / RCC elements and all geometrical shapes including circular and any other curved surfaces at all height and locations with independent staging having adequate additional bracing, propping, intermediate/ multiple staging wherever required.</p>					



Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
16.00	STEEL REINFORCEMENT					
	Reinforcement for RCC work including supplying steel bars of various diameters as required at site of work at all height, all floors, all levels and locations including loading, unloading, transporting, decoiling, straightening, cutting, bending, placing in position and binding with 18 gauge, soft drawn annealed steel binding wire including carrying out various tests as required etc. all as per specifications, drawings & as directed by the Engineer in Charge (Cost of binding wire shall be borne by the contractor & shall not be measured for payment).					
16.01	a) Thermo Mechanically Treated bars of grade Fe-500D manufactured by SAIL, TATA STEEL and RINL only. (The rate for reinforcement work should be for all height, all floors, all levels and Location)	MT	77.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
17.00	MASONRY WORK					
17.01	Brick masonry in super structure at all floors and locations using well burnt bricks from approved lots of class designation 7.5 (classification as per IS 1077-1992 and min. average compressive strength not less than 7.50 N/mm <sup>2</sup> ) in CM 1:4 in 250mm walls to correct line, level and plumb including raking out joints, curing, scaffolding etc. complete as per specifications, drawings and as directed by Engineer in Charge.	Cum	57.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
17.02	Providing brick work 125mm thick in partition walls, dwarf walls, parapets, under platforms, curtain walls, fins, external boxing etc. at all floors and locations as per drawing using well burnt bricks from approved lots of class designation 7.5 (classification as per IS 1077-1992 and min. average compressive strength not less than 7.50 N/mm <sup>2</sup> ) in C.M 1:4 to correct line, level & plumb including scaffolding, raking out joints, curing etc for all heights, all levels and all location complete as per specifications drawings & as directed by the Engineer in Charge.	Sqm	3509.00			
17.03	Filling sunken floor with broken jhama brick bats and including compacting and supplying of materials complete as specified and directed for all levels	cum	21.00			
17.04	Honey-comb brick work 10 / 11.4 cm thick with common burnt clay bricks of class designation 7.5 in super structure for all levels with cement mortar 1:4 (1 cement : 4 coarse sand).	Sqm	72.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	<p>Note:</p> <p>(a)The contractor shall get approved the samples of bricks from the Engineer-In- Charge before procurement on large scale and shall maintain the same for the entire work</p> <p>b) Necessary Openings / nitches /cut-outs, wherever required as per drawings and asked for by the Engineer-In-Charge, shall be provided by the contractor without any extra cost.</p> <p>c) One brick wall thickness shall be considered as 250mm and half brick wall as 125 mm and lesser wall thickness if any shall be made up to the required dimensions by the contractor in CM 1:4 to proper line, level and plumb without any extra cost to the Department.</p> <p>d) The rate shall include cost of making the brick masonry to all geometrical shapes and sizes without any extra cost to the Department.</p>					

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
18.00	FLOORING WORK					
18.01	<p>GRANITE WORKS:            Providing laying and fixing in position at all floors and levels machine cut, machine polished (mirror polish) approved colour granite stones minimum 18mm thick of approved quality and shade for flooring, skirting/ cladding/ treads / riser / window cills etc. on brick concrete surface etc.,</p> <p>with polished granite stone of required sizes fixed over and including necessary mortar bedding/ backing coat, close jointed and grouted with matching cement slurry mixed with suitable pigments including fixing suitable SS clamps / pins at suitable</p> <p>intervals for fixing the slab securely wherever required including making necessary recess in the granite to accommodate the hold fast, curing, cleaning and final hand polishing etc. complete all as per specifications, drawings and as directed by Engineer in Charge.</p>	sqm	6.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	(a) In flooring/Over kitchen platform etc. at specified area including 20 mm thick cement mortar bedding of mix 1:4 (1 cement :4 coarse sand) , including cement slurry at 4.40 sqm over bedding and matching slurry with white cement at 2.20 kg/sqm for grouting the joints.					
18.02	MARBLE WORK: Providing & laying machine cut machine polished 18mm thick marble ( natural stone ) in floors /verticals / topping / facia etc. as specified in drawings, over and including necessary mortar ( 1:4 , 1 Cement : 4 Coarse Sand ) bedding / backing, close jointed and grouted with matching cement slurry and finished to line, level, plumb, curing etc.	Sqm	235.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	as required including cutting of stone slabs, wastage, making cut-outs wherever required etc. all as per specifications, drawings and as directed by Engineer in charge.(i) Dungri Slab / Makrana Slab of min. size 1200mm x 1200mm (The rate include for all height, all floors, all locations and all levels) no extra payment will be made for cement mortar and slurry.					
18.03	VITRIFIED TILE WORKS: Providing & laying at all floors, Skirting & locations glossy / Mat finished premium quality vitrified tile marbonate colors DC series of M/s H & R Johnson of 600x600mm size, with water absorption less than 0.50% and having 8.5mm thickness (or	Sqm	1260.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	<p>shall be as per manufacturers specification) in flooring / skirting / dado / clading at all floors, all heights, all floors, all levels and all location in approved pattern and colour laid over cement mortar bedding / backing, close jointed and grouted with white cement slurry and approved pigment as per manufacturer's specifications, finished to level, line, slope and plumb, cutting of tiles, wastage, making openings / cut out if necessary, final cleaning of surfaces, curing etc. complete all as per drawings, specifications &amp; as directed by Engineer in charge.</p> <p>a) In flooring laid over 20mm thick cement mortar bedding 1:4 ( 1 cement : 4 sand) ( No Extra payment made for cement mortar &amp; Slurry)</p>					



Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
18.04	<p>WALL TILE:  Providing polished ceramic wall tiles of approved quality, size, shape and thickness not less than 8mm on walls and skirtings over cement mortar bed 10 mm thick in prop. 1:3 (1 cement : 3 coarse sand ) including cutting where necessary finished with flush pointing white</p> <p>cement slurry mixed with approved pigment to match shade of tiles complete at all levels, all height, all location as specified and directed including Cement plastering. (Coloured pigment should be in conformity with colour of tiles and as approved and directed by the Department). (Walls means both interior and exterior walls).( No extra payment made for cement mortar and slurry)</p> <p>b) Excutive range  i) Min size 200mmx300mm and above (As per the department choice)</p>	Sqm	472.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	Note: Quoted rate shall include extra thickness of cement mortar required for Vetrified tiles flooring and dado to maintain the lines and level of the combined flooring and dado with granite tiles.					
18.05	<p><b>ANTISKID TILES:</b> Providing Antiskid vetrified Tiles for floors, skirtings and all locations at all levels of approved quality size, shape not less than 8mm on floor, skirting over a cement mortar bed 15mm thick of 1:3 (1 cement: 3 coarse sand) approved make fix white cement ,</p> <p>openings /cutout if necessary, wastage and final cleaning of surfaces as required, curing etc.complete all as per drawing specifications &amp; as directed by Engineer in charge.</p> <p>a) In Flooring with 450x450mm /600x600mm size tile laid over 20mm thick cement mortar bedding 1:4 ( 1 cement : 4 sand)</p>	Sqm	425.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	Note: Quoted rate shall include plastering works with neat cement slurry and extra cement mortar required to match the water proofing plaster if any to maintain the lines and plumb of dado.					
18.06	KOTA STONE: Providing & laying machine cut & machine polished kotah stone flooring and skirtings at all floors, all levels & location including staircase landing,treads, riser, skirting etc necessary cement mortar bedding / backing, close jointed & grouted with matching cement slurry and finished to line, level, curing etc. as required,including cutting of stone slab, wastage, making cut outs,wherever required, machine polishing /hand polishing (where machine cannot have access) etc. complete all as per specifications, drawings and as directed by the Engineer in charge	Sqm	386.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	<p>a) In flooring with machine polished (mirror polished) kotah stone slab of size 575 x 575 x25mm thick laid over &amp; including 20mm. thick cement mortar 1:4 ( 1 cement : 4 sand) bedding, and grey cement slurry at 4.4 kg/m2 for over the bedding , 2.2 kg/m2 and grouting the joints respectively.</p> <p>Note: Quoted rate shall include extra cement mortar required to match the water proofing plaster if any to maintain the lines and plumb of dado.</p>					

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
18.07	<p>CERAMIC TILE:  Providing Ceramic Tiles of approved quality, size, shape and thickness not less than 8 mm on floors, skirtings, treads and risers of steps over cement mortar bed 15 mm thick in prop. 1:3 (1 cement : 3 coarse sand ) including cutting where necessary finished with flush pointing with White cement slurry mixed with approved pigment to match the shade of granite slab, complete at all levels as specified and directed (coloured pigment should be in conformity with colour of slab and as approved and directed by the Department).</p> <p>C) Delux range  Somany /Orient / Nitco /Qutone Make  III) Of size 300mm x 300mm and above ( As per department choice )</p> <p>Note:  Quoted rate shall include extra cement mortar required to match the water proofing plaster if any to maintain the lines and plumb of dado.</p>	Sqm	505.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
18.08	PAVER TILE FOR POARCH : Providing and laying Paver tiles over 20mm. thick cement mortar 1:4 ( 1 cement : 4 sand) bedding, and grey cement slurry at 4.4 kg/m2 for over the bedding , 2.2 kg/m2 and grouting the joints respectively of approved quality, size, shape of specified thickness including cutting where necessary finished with flush pointing with white cement slurry mixed with approved pigment to match shade of tiles complete at all levels as specified and directed. (Coloured pigment should be in conformity with colour of tiles and as approved and directed by the Engineer-in-charge) (ii) of size 300x300 of 25mm thick	Sqm	100.00			
18.09	MOULDING OF GRANITE : Providing and fixing of granite single / double moulding ( as per drawing) all complete.	Rm	15.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
18.10	<p><b>MARBLE CALDDING:</b>  18 mm thick Marble stone slab Cladding of min sizes 1200 x 1200 including walls ( around windows),treads and risers of steps, skirting, laid over 20 mm thick base of cement plaster 1:6 (1 cement : 6 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing complete with marble slab of specified quality and shade at all levels.</p> <p>(i) Dungri / Makrana Slab</p>	Sqm	15.00			
18.11	<p><b>MOULDING OF MARBLE:</b>  Providing and fixing of 18mm thick marble single / double moulding ( as per drawing) all complete.</p> <p>Note:  a) The floor finish level shall be generally in level matching with the surrounding floor finish level &amp; as per drawing. No extra payment shall be entertained for matching the floor differences.</p> <p>b) Adjustment of levels in thickness of mortar bedding due to different types of flooring/dado, shall be done by the contractor without any extra cost to the Department.</p>	Rm	291.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	<p>c) The Contractor shall submit and get approved the samples for flooring, skirting, dado tiles for approval of the Engineer in Charge before bulk procurement.</p> <p>d) Pattern &amp; design of flooring / skirting / dado shall be approved by the Engineer in Charge before commencement of work.</p> <p>e) Exposed edges of all natural stones used for the works like Kotah, Marble, Granite etc. shall be machine cut and shall have uniform thickness and mirror polished unless otherwise mentioned.</p> <p>f) The rate shall include cost of making the flooring to all geometrical shapes and sizes without any extra cost to the Department.</p>					



Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
19.00	DOORS FRAME:					
19.01	<p>Providing wood work in frame (chowkaths) of doors, windows, clerestory windows and other similar works wrought, framed and fixed in position in contact with C.C or brick masonry wall including supplying, fitting and fixing with M.S. hold fast (40mm x 3mm x 250mm) as per design embedded in cement concrete block in proportion 1:2:4 and with two coats of kiricide oiling to the timber faces in contact with C.C and masonry as directed and specified.</p> <p>(a) With sal wood</p> <p>NOTE: a) The items door frames, window frames shall include sealing the joints all round with the brick work /concrete and doors or windows with approved mastic filler cement grout/ epoxy compound /polysulphide compound or by any other means whatsoever, by the contractor at his own cost as directed by the Engineer-in-Charge to make the joints watertight.</p>	Cum	5.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	<p>b)The work contemplated under the item for supplying and fixing the window/door frames shall be got done by the contractor through specialised agencies in the field, approved by the Department.</p> <p>c)One sample each of the door frame, shutter and window with all fittings and fixtures alongwith locking arrangement including glass panes etc. complete as per schedule of quantities drawing and specifications should be submitted for preliminary inspection before procurement on large scale. The contractor shall submit six copies of shop drawings for windows, ventilators and steel door with frames showing dimensional details of</p>					

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	<p>construction etc. for approval of the Engineer-in-charge. After preliminary inspection, the sample should be fixed. Defects etc.if any shall be rectified to the full satisfaction of the Department and after obtaining formal approval in writing of Engimneer in Charge.</p> <p>d)Door frames, shutters and the windows to be supplied and fixed in position should cater the dimensional tolerance of the openings to an extent of (+/-) 2%. The rates quoted by the tenderers should hold good for such variation. Test shall be conducted by the Department for the flush doors as per IS-2202-1983 Part-I from each consignment and the cost incurred on this account shall be borne by the contractor.</p>					

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
20.00 20.01	<p>DOOR WROKS: FLUSH DOOR: Providing, fitting and fixing factory made Flush door shutters having core &amp; cross bands fabricated from seasoned 1st class timber, 25mm core battens, 2.5mm to 3.5mm uniformly thick cross bands, styles &amp; rails made hinges, screws, bolts etc. as specified and from hardwood timber of width not less than 50mm, fixed to the door frames (chowkath) with necessary directed at all levels (Door fixtures and fittings to be measured and paid seperately.)</p> <p>(b) 40mm thick</p> <p>Note: a)Manufacturer shall submit 6 copies of shop drawing showing the dimensions details of view panels etc. for the approval of Engineer in charge.</p> <p>b) Quated rate shall be applicable for all type of shutter including addition / alteration if any</p> <p>c) Door frames and fittings and fixtures shall be paid under relevant items.</p>	Sqm	154.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
20.02	<p>UPVC DOOR</p> <p>Supplying and installing uPVC- Casement Door made out of Lead free green profile having "GREENLINE" mark of BIS standard uPVC sections of wall thickness 2.4mm, multichambered with corners fusion welded, fully reinforced with Galvanized steel 1.5/2mm including glazing bead, folding gasket, glazing gasket, locking arrangement, Espag handle, Espag, keeper, drain cap, run up block, fisher screws,</p> <p>packing pieces with all stainless steel screws complete as directed. The windows must be installed complete with all kinds of ironmongery including EPDM gaskets, bridging wedges and glass packers and with suitable water draining system. Fittings ROTO / GQ . Application of Silicon sealant from Inside / Outside of Dowcorning / GE all complete at all levels as directed by the engineer-in-charge.</p>	Sqm	14.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	<p>Double leaf Side hung Door with a Dummy Mullion - French Door using uPVC section of size 58mm x 69mm x 2.4mm thick wall for frame, 58mm x 109mm x 2.4mm thick wall for glass sash, 58mm x 61mm x 2.4mm thick wall for dummy mulion, Aluminium threshold at bottom. ( FINESTA)</p> <p>i) Using 5mm clear toughened glass</p>					
20.03	<p>Single leaf Side hung Door using uPVC section of size 58mm x 69mm x 2.4mm thick wall for frame, 58mm x 109mm x 2.4mm thick wall for glass sash, Aluminium threshold at bottom ( FINESTA)</p> <p>ii) Using 5mm clear toughened glass</p>	Sqm	5.00			
20.04	<p>Single leaf Side hung Door with a portion fixed or openable window using uPVC section of size 58mm x 69mm x 2.4mm thick wall for frame, 58mm x 109mm x 2.4mm thick wall for glass sash, Aluminium threshold at bottom( FINESTA)</p> <p>ii) Using 5mm clear toughened glass</p>	Sqm	6.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
21.00	<p>WINDOW WORKS</p> <p>Supplying and installing uPVC- Casement Windows made out of Lead free green profile having "GREENLINE" mark of BIS standard uPVC sections of wall thickness 2.4mm, multichambered with corners fusion welded, fully reinforced with Galvanized steel 1.5/2mm including glazing bead, folding gasket, glazing</p>					

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	gasket, friction stay, Espag handle, Espag, keeper, drain cap, run up block, fisher screws, packing pieces with all stainless steel screws complete as directed. The windows must be installed complete with all kinds of ironmongery including EPDM gaskets, bridging wedges and glass packers and with suitable water draining system. Fittings ROTO / GQ or .. Application of Silicon sealant from Inside / Outside of Dowcorning / GE.					
21.01	a) Side hung Window using uPVC section of size 58mm x 57mm x 2.4mm thick wall for frame, 58mm x 68mm x 2.4mm thick wall for glass sash. With 5mm clear float glass( FINESTA)	Sqm	128.00			
21.02	(b) ProVent openable Top hung Window using uPVC section of size 37mm x 43mm x 2.2mm thick wall for frame, 37mm x 56mm x 2.2mm thick wall for glass sash With 5mm clear/frosted glass ( FINESTA)	Sqm	29.00			



Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
21.03	<p>c) Supplying and installing uPVC- Fixed Windows made out of Lead free green profile having "GREENLINE" mark of BIS standard uPVC multichambered sections of wall thickness 2.4mm with corners fusion welded, fully reinforced with galvanized steel 1.5/2mm including glazing bead , grooving bead, drain cap,</p> <p>fisher screws, packing pieces, necessary stainless steel screws etc. complete as directed. The windows must be installed complete with all kinds of ironmongery including EPDM gaskets, bridging wedges and glass packers and with suitable water draining system.</p> <p>Application of Silicon sealant from inside / outside of dowcorning / GE .( FINESTA)</p> <p>With 5mm clear glass</p>	Sqm	11.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	<p>Note:</p> <p>c)One sample each of the door frame, shutter and window with all fittings and fixtures alongwith locking arrangement including glass panes etc. complete as per schedule of quantities drawing and specifications should be submitted for preliminary inspection before procurement on large scale for approval of the Engineer-in-charge. After preliminary inspection, the sample should be fixed. Defects etc.if any shall be rectified to the full satisfaction of the Department and after obtaining formal approval in writing of Engimneer in Charge.</p> <p>d)Door frames, shutters and the windows to be supplied and fixed in position should cater the dimensional tolerance of the openings to an extent of (+/-) 2%. The rates quoted by the tenderers should hold good for such variation. Test shall be conducted by the Department for the flush doors as per IS-2202-1983 Part-I from each consignment and the cost incurred on this account shall be borne by the contractor.</p>					

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	<p>e)For bonding the flush doors, block boards, ply wood and all types of wood works, phenol-formaldehyde synthetic resin type adhesives conforming to IS-848-1957 shall be used.</p> <p>Note :-</p> <p>i) The quoted rate shall include all accessories mentioned in the item description including required glass.</p> <p>ii) All fittings / fixtures shall be of approved make / quality and as approved by the Engineer in Charge.</p> <p>iii) All glass panes shall be of M/s Modi guard / M/s.Saint Gobain.</p>					
22.00	<b>FITTING &amp; FIXTURES:</b>					
22.01	Supplying,fitting and fixing at site of approved quality non magnetic stainless steel fittings, fixtures and fasteners along with necessary SS screws, bolts, nuts, washers etc. as per approved samples.					
22.01A	i) Butt hinges of size 125mm x 50mm x 2.50mm	Each	248.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
22.01B	ii) Butt hinges of size 100mm x 50mm x 2.50mm	Each	100.00			
22.02	Supplying, fitting and fixing at site following type of approved quality C P fittings, fixtures and fastenings along with necessary CP brass screws, bolts, nuts, washers and other standard accessories.					
22.02A	a) Tower bolt: 300mm. long x 10mm , 13mm barrel.	Each	174.00			
22.02B	b) Tower bolt: 150mm. long x10mm, 13mm barrel.	Each	174.00			
22.02C	c) Door stopper with rubber bushing (shutter mounted type).	Each	67.00			
22.02D	d) Door latches 250mm long x 16mm. X5mm	Each	36.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
22.02E	e) C type bow handles 150mm long.	Each	174.00			
22.02F	f) Supplying, fitting and fixing of Six lever Mortise lock with chromium plated of Godrej make with pair of detachable, pressure die-cast chromium plated handles on both sides with chromium plated brass screws for left hand / right hand with brass socket plated, (exact number for left, right and double shutter shall be ascertained based on site requirement) all complete as per specifications & as directed by Engineer in Charge.	Each	29.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	<p>Note:  a) One sample board consisting of each item of schedule of quantities with approved quality fittings &amp; fixtures &amp; necessary accessories including chromium plated brass screws, bolts, nuts, washers should be submitted for approval of the Engineer-in-Charge. Large scale procurement shall be taken up only after approval of the Engineer-in-Charge. After approval, the samples shall be kept in the office of the Engineer-in-Charge to ascertain the approved quality for the entire work.</p>					
23.00	<p>PLASTERING WORK :  Note:  a) Before commencement of plastering, the area shall be cleaned, wetted and shall be marked with 'Thiyyas' or 'Tapanis' and shall be got approved by the Engineer-in-charge.</p>					

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	<p>b) Whenever the electrical contractor / agency has to fix up switch boxes in walls, necessary Thiyyas or 'Dhadas' shall be arranged prior to plastering so that the electrical boxes are fixed properly in line with the finished plastered surfaces.</p> <p>c) Finishing around the junction boxes shall be done at all floor, level and position to the line, level and right angles as required while carrying out plastering work.</p> <p>d) No extra claim /cement consumption shall be entertained by the Department for the plastering done more than the specified thickness shown in the schedule of quantities, to bring the plastered surface to perfect line, level and plumb with adjoining columns and beams.</p>					

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
23.01	<p>Cement plaster in single coat at all floors and locations to correct line, level, plane and plumb for following, finished smooth including preparing the surface, scaffolding, curing etc. all complete as per drawings, specifications and as directed by the Engineer in charge.</p> <p>10 mm thick Cement plaster in single coat on fair side of brick / concrete walls for interior plastering for all levels including arises or rounded angles not exceeding 80mm</p> <p>girth and finished even and smooth including curing complete as directed.</p> <p>b) In cement mortar 1:4</p>	Sqm	5401.00			
23.02	<p>15 mm thick Cement plaster in single coat on single or half brick wall for interior plastering for all levels including arises, internal rounded angles, not exceeding 80mm girth and finished even and smooth including curing complete as directed.</p> <p>b) In cement mortar 1:4</p>	Sqm	3019.00			



Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
23.03	<p>Pointing on brick work with cement mortar including curing complete as directed.(Measurement shall be taken on surface area of the wall).</p> <p>A) Cement mortar prop. 1:3 b) Ruled pointing</p>	Sqm	31.00			
24.00 24.01	<p>PAINTING :</p> <p>Providing and applying two or more coats of Wall painting over wall primer with Plastic emulsion paint approved brand and manufacture on new surface to give an even shade after thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth.</p> <p>including preparing the surfaces, wherever required, scaffolding and cleaning etc, complete as per specifications, drawings and as directed by the Engineer-in-charge.</p>	Sqm	3298.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	<p>Painting surface should be prepared by applying two or more coats of acrylic water based wall putty / wall filler of Asian Paints/ Berger / Nerolac over concrete/ cement plaster/ brick walls and ceilings both internal and external after removing all the loosely adhering material from the wall/ ceiling surface with the help of emery stone, putty blade or wire brush, moistening the wall with the help of sufficient quantity of clear water as specified and directed by the department for all heights, all levels, all locations and all floors.</p>					

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
24.02	<p>Providing and applying Painting on external surfaces with two or more coats of exterior grade Acrylic emulsion paint over a coat of wall primer of Apex ultima of M/s.Asian paints of approved colour and shade over a coat of cement based water repellent paint of approved make and shade as mentioned below all as per manufacturer's recommendations and as per the approved sample including providing necessary scaffolding, cleaning the surface with water to remove all coating, dust, filling up cracks &amp; crevices with approved putty, curing the surface etc. complete as per specifications and as directed by Engineer in charge</p>	Sqm	2004.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	<p>Painting surface should be prepared by applying two coats of acrylic water based wall putty/ wall filler of Asian Paints/ Berger / Nerolac over concrete/ cement plaster/ brick walls and ceilings both internal and external after removing all the loosely adhering material from the wall/ ceiling surface with the help of emery stone, putty blade or wire brush, moistening the wall with the help of sufficient quantity of clear water as specified and directed by the department for all heights, all locations, all levels and all floors.</p> <p>a) Over sand faced plaster.</p>					
24.03	<p>HERITAGE FINISHING Supplying and laying of permanent wall finish for interior and exterior walls with surface coating of Heritage Surface Texture of Bakelite Hylam Limited for all types of buildings at all levels as specified and directed by the department.</p> <p>(a) Granules (Code : HGR)</p>	Sqm	475.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
24.04	<p>Providing &amp; applying priming coat over new wood and wood based surfaces over 100mm in girth/width after and including preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter and applying two or more coats of wood putty finish with sand papering and knotting.</p> <p>(a) With ready mixed paint, wood primer (White)</p>	Sqm	324.00			
24.05	<p>Painting two coats (excluding priming coat) on new wood and wood based surface with enamel paint of approved brand and manufacture (Asian paint/ Berger paint / Nerolac) to give an even shade including cleaning the surfaces of all dirt, dust and other foreign matter sand papering and stopping.</p> <p>(i) Surfaces over 100mm in width or girth. a) General purpose (Asian paint / Berger paint / Nerolac).</p>	Sqm	324.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
24.06	<p>Applying primary coat over new steel and other metal surface over 100mm in width or girth after preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter and scoured with wire brushes, fine steels, wood scrapers and sand paper.</p> <p>(a) With ready mixed "Yellow Zinc cromate" primer.</p>	Sqm	903.00			
24.07	<p>Painting two coats (excluding priming coat) on new steel and other metal surface with enamel paint of approved brand and manufacture ( Asian paint/Berger paint Nerolac) to give an even shade including cleaning the surface of all dirt, dust and other foreign matter.Surfaces should be prepared by applying steel putty.</p> <p>(i) Surfaces over 100mm in width / girth. (a) General purpose (Asian paint / Berger paint / Nerolac.</p>	Sqm	903.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
24.08	Applying one self-priming coat of acrylic emulsion coating of Unicem "Rakshak" brand by thinning 1ltrs of paints with 1ltrs of water over freshly plastered wall surface after thoroughly brooming the surfaces free from mortar droppings and other foreign matter and including preparing the surface even and sand papered smooth as specified and directed by the department.	Sqm	533.00			
25.00	<b>ROOFING</b>					
25.01	Providing Pre Painted Galvalume Sheet Roofing (PPGL) at all levels including fitting and fixing self drilling, self tapping screws all complete (Roof trusses, purlins etc. to be measured and paid separately.)  TATA Blue scope / Dyna roof / Jindal as directed by the Enginee-in-charge.  (iii) 0.50 mm thick	Sqm	954.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
25.02	Providing Pre Painted Galvalume Sheet (PPGL) accessories ( Ridges / Valley / Gutter / Flashing) at all levels including fitting and fixing self drilling, self tapping screws complete. TATA Blue scope/ Dyna roof / Jindal as directed by the Enginee-in-charge.  (iii) 0.50 mm thick	RM	231.00			
<b>26.00</b>	<b>POLYCARBONATE SHEET ROOFING:</b>					
26.01	Providing, fitting and fixing multi wall Polycarbonate panel system roofing sheet of 10mm thick including redging of approved shade at all levels fixed with self drilling, self tapping screws complete all complete. The rate included frame works as per drawing and specification of approved shape and sizes.	Sqm	36.00			
<b>27.00</b>	<b>ROOF TRUSS / RAILING / GRILL:</b>					
27.01	Providing and Fabricating Structural steel work at all floors, all height, all levels and locations in Roof Truss, guard bars, grills,guard bars for windows, frames, covers, cover bracket for	MT	37.00			



Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	<p>slanting chajja , using angles, tees, flats, bars , chequered plates, inserts fabricated out of mild steel bars, ISMC,ISMB, ,angles, pipes , plates and diaphragm plates for</p> <p>necessary hold fasts / screws &amp; rawl plugs and finishing the concrete/ brick work after fixing /embedding including painting two coats of anticorrosive bitumastic paint on all unexposed surfaces and two coats of synthetic enamel paint of approved make and colour on all exposed surfaces over a coat of yellow zinc cromate steel primer etc. complete as per specifications, drawings and as directed by the Engineer in charge.</p> <p>Note: One sample of each item should be submitted for preliminary inspection and approval before procurement /manufacturing on large scale. After the preliminary inspection and approval, the sample should be fixed at site or kept in the office of the Engineer-in-charge till completion of the work.</p>					

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
28.00 28.01	<p>PLINTH PROTECTION</p> <p>Providing plinth protection with bricks flat laid in 75mm thick pcc in 1:3:6 ( 1 Cement : 2Cement : 6 Coarse graded stone aggregate ) and finished with 15mm thick cement plaster in prop. 1:2 with a floating coat of neat cement finish.</p> <p>Note : Rate Include raming of cutting and raming of earth etc complete.</p>	Sqm	224.00			
29.00 29.01	<p>SURFACE DRAIN</p> <p>Providing drain with brick work in cement mortar in proportion 1:5 with half brick thick side walls and 100mm thick P.C.C (1:3:6) base over one brick flat soling including 15mm thick cement plastering in prop. 1:3 finished with a floating coat of cement slurry as directed with necessary shattering for sides and earth work in excavation of foundation trenches and refilling the sides after completion of work etc. as specified.</p> <p>ii). 300mm wide and average 250mm deep with bed slope 1 in 150 with initial depth of 100mm.</p>	Rm	211.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
30.00	FALSE CEILING					
30.01	Supplying, fitting, fixing and painting where necessary (one coat primer and two coats of paint) M/ F suspended ceiling which includes G.I. perimeter channels of size 0.55mm thick (having one flange of 20mm and another flange of 30mm and a web of 27mm) along with perimeter of ceiling, screw fixed to brick wall/ partition with the help of nylon sleeves and screws, at 610mm c/c. Then suspending G.I. intermediate channels of size 45mm (0.9mm thick with two equal flanges of 15mm each) from the soffit at 1220mm c/c with ceiling angle of width	Sqm	563.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	<p>5mmx10mmx0.55mm thick fixed to soffit with G.I.cleat and steel expansion fasteners. Ceiling section of 0.55mm thickness having knurled web of 51.5mm and two equal flanges of 26mm each with lips of 10.5mm are then fixed to the intermediate channel with the help of connecting clip and in direction perpendicular to the intermediate channel at 457mm c/c, 12.5mm Gypboard. False ceiling (Light Duty) with Metal Polyester Laminated Board on Back (MPL) (conforming to IS:2095-1982) is then screw fixed to ceiling section with 25mm long drywall screws at 230mm c/c. Screw fixing</p> <p>is done mechanically either with screw driver or drilling machine with suitable attachment. Finally, the boards are to be jointed and finished so as to have a flush look which includes filling and finishing the tapered and square edges of the boards with jointing compound, joint</p>					

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	<p>paper tape and two coats of drywall topcoat suitable for Gypboard complete at all levels as specified and directed. ( Rate including cuttiuing for light fittings, providing opening for doors, window, ventilators etc., cut out made with frame of perimeter channel supported suitably to be included in the quated rate).</p> <p>(ii) 12.5mm MPL</p>					
31.00	<b>EAVES BOARD</b>					
31.01	<p>Providing and fixing in position High Pressure Steam Cured Non Asbestos Fibre Cement Everest Heavy Duty Wall Board (Density&gt;1500 Kg/m3) confirming IS 14862 &amp; Type A as Eves Board to be fixed on iron or timber Section as per the drawing &amp;</p> <p>directions of engineer-in-charge. Finally, if specified, the boards are to be painted with 2 coats of acrylic emulsion paint of approved shade/make over a coat of cement primer after installing it on to the concealed metal framework. The rate also includes the frame works.</p> <p>ii) Using 12mm thick board of Everest make .</p>	Sqm	260.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
32.00 32.01	ALUMINIUM LOUVERS Providing Luxalon ® 84R plain Panel Aluminium Sun louver system as manufactured by Hunter Douglas India Pvt. Ltd. Of approved colour ( as per luxalon ® colour chart) The system shall consist of panel 84mm wide x 16mm deep x 0.6mm thick in standard length of up to 6m. The panels shall be coil coated in a continuous paint line., double baked & roll formed from stove enameled corrosion resistant Aluminium Alloy AA 3005 for higher strength & roll forming characteristics.	Sqm	33.00			
33.00 33.01	C.I. MANHOLE COVER : Providing fitting and fixing 450mm dia 90mm thick C.I. Man hole cover and frame of 58kg. Weight complete as directed and specified.	Each	12.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
34.00	STONE MASONARY WORK					
34.01	Stone masonry work in retaining wall, wing wall, abutment, foundation, steps, plinth etc. in cement mortar in prop 1:6 with levelling course of 1:6:12 with both faces hammer dressed including bonding, providing face stone, through stone and centering including racking of joints, curing and supplying and all carriage of stone as directed including payment of forest royalty and sales tax and carriage.  (a) Random Rubble Masonry	Cum	426.00			
35.00	NEAT CEMENT PUNNING:					
35.01	Providing and applying neat cement punning over new plastered work for walls, floors etc. all complete.	Sqm	91.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
36.00	<p>WATERPROOFING TREATMENT: NOTE: a) The contractor shall get written approval from the Engineer-in-charge, for the water proofing agency is engaged and shall submit the specification of the waterproofing agency before commencement of work.</p> <p>b) The contractor shall test the surface where water proofing treatment provided for bone dry condition by filling up with water .No wet patches or leaks shall appear on the surrounding wall or under side of the slab</p>					



Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	<p>c) The contractor shall furnish guarantee bond on appropriate stamp paper in the proforma as per Section 10(iii), Conditions and Clauses of Contract 2008 for the entire waterproofing treatment for maintaining the surroundings and under side surfaces of the waterproofing treated area in bone dry condition for 10 years. During the guarantee period the contractor shall attend all leakages, defects etc. if noticed, free of cost, starting the work of checking up and rectification within a week's time from the date of intimation about such leakages / defects</p> <p>d) The Contractor shall keep the water tank filled with water after the water proofing work has been completed and shall clean it before handing over. At no time shall the water tank be kept empty. Testing for the bone dry condition for the water proofing work carried out shall again be done, before handing over the flats, if found necessary by the Engineer- in-charge.</p>					

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
36.01	<p>Cementitious Injection Grouting at R.C.C Retaining Walls, Underground Basement Walls, Lift Pit walls etc.</p> <p>Providing Grouting in R.C.C. walls by drilling holes @ 1M c/c upto the wall depth in zigzag manner or as per drawings using a drill machine and fixing a nozzle of 18 to 20mm dia. for injecting a grout slurry of</p> <p>cement, water and expanding grout admixture MasterFlow 150 of BASF India Ltd, a chloride &amp; iron free, cementitious additive. The grout additive shall provide gaseous</p> <p>expansion up to 4% in plastic stage when added at a dosage of 0.5% by weight of cement @ 0.5% by weight of cement till the</p> <p>refusal of injected grout material from adjacent nozzle (grouting operation pressure shall be in between 2 to 4kg per sq.cm.). Followed by cutting the exposed</p>	Per Point	175.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	nozzle so as to make the wall free from the grouting pipes and to seal the gap with polymer modified mortar as specified and directed by the Engineer In-charge.					
36.02	<p>WATERPROOFING treatment for Suken Slabs,Wet Area, Lift Pit walls over concrete</p> <p>Supply and application of MASTERSEAL 550, a two component reactive polymer composite. The product shall be applied in minimum two coats to achieve total DFT of 1mm. The product shall resist 7 bars pressure when tested as per DIN 1048 at 2mm DFT. The cured coating shall</p> <p>have the following diffusion co-efficient.</p>	Sqm	291.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	<p>Typical properties of the product shall be as follows:  Mixed Density : 1800 kg/m<sup>3</sup>  Mixing Ratio, by weight : 3:1 (powder: Liquid)  Pot Life : 120 Minutes at 25 OC  : 30 Minutes at 40oC  Recoatable : 8 – 12 Hours  % elongation : &gt;5% (unbonded)  Abrasion Resistance, (ASTM D4060, CS17 wheel) : 45 mg/1000 cycles  Water penetration (DIN 1048) : 7 bars - no leakage  (at 2mm DFT)</p> <p>TOP PROTECTION LAYER  Over the waterproofing coating 15 mm thick plaster layer to be given to protect the coating.( Rate for plastering paid as per relevant work. )</p>					
36.03	<p>INTEGRAL WATERPROOFING COMPOUND for concrete of Retaining Wall, Wet Areas  The liquid integral waterproofer shall be MasterPel 707, lignosulphonate polymer based,</p>	Ltr	317.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	<p>waterproofing cum plasticising admixture. The product shall comply with IS: 2645-2003 when tested at a dosage of 300 ml /100 Kg bag of cement. The product must be free of chlorides and shall have specific gravity not less than 1.17 and shall comply with</p> <p>TASTM C494 Type A &amp; D. MasterPel 707 should be used in all structural concrete that is constantly or intermittently in contact with water such as sea walls, tunnels, basements, structural and pre-cast concrete in exposed superstructures. MasterPel 707 can also be used as waterproofing cum plasticising admixture for cement mortars and plasters.</p>					

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
36.04	<p>WATERPROOFING TREATMENT for Flat roof terrace</p> <p>SURFACE PREPARATION: The cleaning and preparation of the substrate must be carried out thoroughly to leave a sound base for the application. Any oil, grease, rust, etc. present on the surface must be removed mechanically which otherwise may impair adhesion. Cracks shall be repaired and expansion joints shall be treated.</p> <p>LIQUID, COLD-APPLIED PU ELASTOMERIC WATERPROOFING MEMBRANE SYSTEM</p> <p>Providing and applying MASTERSEAL HLM 5000 SL Horizontal, a single component the liquid, cold applied, elastomeric polyurethane based, that cures by reaction with atmospheric moisture to form a tough but flexible waterproofing membrane. It is elastomeric, seamless waterproof</p>	Sqm	317.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	<p>membrane applied in 2 coats to a DFT of 1.2 mm thick having a elongation capacity of over 600% and average tensile strength of 1 MPa, tear resistance as per GBT 19250-2003 &gt;20N/m.</p> <p>The material shall comply to – ASTM C 836 National Std. of Canada 37.58 – M86 by CGSB.</p> <p>PROTECTION SCREED:PROVIDING AND LAYING A SEPARATION LAYER OF NON-WOVEN POLYPROPYLENE GEOTEXTILE OF 120 GSM OVER THE ENTIRE SURFACE OF</p> <p>MASTERSEAL HLM 5000 SL, FOLLOWEDBY A CEMENT MORTAR SCREED OF 50 MM THICK OVER THE GEOTEXTILE. CONCRETE FOR SCREED TO BE DONE BY CLIENT, GEOTEXTILE WILL BE PROVIDED &amp; PLACED BY APPLICATOR. GEOTEXTILE SHEET IS MUST FOR POOL</p> <p>DECK AREA WHERE SOIL/STONE FILLING WILL FOLLOW, HOWEVER IN BOTH AREAS MASTERSEAL HLM 5000 SL HAS TO BE PROTECTED BY CEMENT MORTAR.</p>					

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	<p>Note:-</p> <p>a) This item will be executed through approved agency.</p> <p>b) The contractor shall have to furnish 10(ten) years guarantee in the prescribed proforma to maintain water proofing surface free from water damage.</p> <p>c) Prior approval of Engineer in Charge shall be obtained after testing the chemical for water proofing to be used and shall be tested in approved laboratory and to be submitted the certificate to Engineer in Charge. Cost of testing shall be included in the rates quoted.</p> <p>d) The Contractor shall furnish guarantee bond on appropriate stamp paper in the proforma given by the department. During the guarantee period the contractor shall attend all leakages, defects etc. if noticed, free of cpst, starting the work of checking up and rectification within a week's time from the date of intimation about such leakages/ defects.</p>					



Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
37.00 37.01	<p>SANITARY</p> <p>Wash Basin</p> <p>Providing vitreous China wash basin with CI/MS brackets, C.P brass chain with plug,PVC waste pipe including painting of fittings and brackets, cutting and making good the walls wherever required. (Pillar cock, stop cocks, waste coupling are to be paid separately)</p> <p>Counter Top Basin (C) Jaquar Make (ii) Cat. No. CNS-WHT-WB03 (590 x 430 x 200)</p>	Each	4.00			
37.02	<p>Providing vitreous China wash basin with CI/MS brackets, C.P brass chain with plug,PVC waste pipe including painting of fittings and brackets, cutting and making good the walls wherever required. (Pillar cock, stop cocks, waste coupling are to be paid separately)</p> <p>PEDESTAL BASIN (with pedestal) (B) Hindware Make (a) White (i) CEDER 570 x 440 (Cat. No.91049/91115) [</p>	Each	21.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
37.03	<p>WATER CLOSET:  Providing fitting and fixing vitreous china pedestal type water closet (European type W.C. pan 400mm high) with seat and lead,  ,CP brass hinges and rubber buffers , CI/MS brackets , 40 mm dia flush band with fittings including painting of fittings and brackets, required.</p> <p>B) Hindware make  a) White  (ix) Water closet  UNIVERSAL "S  (Cat.No.20012) (inclusive of seat cover)</p>	Each	25.00			
37.04	<p>FLUSH COCK  Supplying fitting and fixing Chrome Plated (C.P.) flush cock of approved brand as directed and specified.( Required pipes will be measured and paid separately as per relevant work)</p> <p>Jaquar brand  a) Continental / Clarion  (i) Flush cock with wall flange 25mm with lever knob</p>	Each	25.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
37.05	Towel Ring Providing, fitting and fixing Chrome Plated towel ring complete as directed and specified. (a) Jaquar make (i) Continental towel ring square (Cat.No. ACN-1121)	Each	25.00			
37.06	Towel Rail: Providing, fitting and fixing CP towel rail complete as directed and specified. (a) Jaquar make (ii) Continental 600mm (Cat.No. ACN-1111N) [	Each	24.00			
37.07	Toilet Paper Holder Providing, fitting and fixing Chrome Plated Toilet Paper holder complete as directed and specified. (a) Jaquar make (ii) Continental toilet paper holder with flap (Cat.No. ACN-1153N)	Each	25.00			
37.08	Bottle Trap Providing, fitting and fixing Chrome Plated bottle trap complete as directed and specified. (a) Jaquar make (ii) Bottle trap (with internal partition) 32mm size with 300mm long wall connection pipe (Cat.No. ALD-769B)	Each	5.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
37.09	<p>Soap Dish</p> <p>Providing, fitting and fixing CP soap tray / soap dish complete as directed and specified.</p> <p>(i) Jaquar Make (b) Queen's (Cat.No.AQN-7731)</p>	Each	25.00			
37.10	<p>Providing, fitting and fixing Liquid soap dispenser and liquid soap container complete as directed and specified.</p> <p>(i) Jaquar Make (b) Continental (Cat.No.ACN-1137N) (with mettalic bottle)</p>	Each	1.00			
37.11	<p>URINAL</p> <p>Providing fitting and fixing vitreous china flat back type lipped front urinal basin with standard flush pipe and CP brass spreader andbrass unions, etc. complete including painting of fittings and brackets, cutting and making good the walls &amp; floors wherever required.</p> <p>(C) Jaquar Make (a) White (i) Compact (Cat.No.URS-WHT-0702)</p>	Each	1.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
37.12	Mirror Providing fitting and fixing Decorative Mirror complete as directed and specified. (B) Jaquar Make (a) Double Arm Wall Mounted reversible plain / Magnifying (3X) Pivotal Mirror (Cat. No.ACN-1193N)	Each	25.00			
37.13	Kitchen Sink (Stainless Steel) Providing and fixing stainless steel kitchen sink of Parryware make with PVC waste pipe etc. complete including painting the fittings ,cutting &making good the walls wherever required. including waste coupling etc. (A) Parryware Make (i) Single Bowl with Veg Bowl & Drain Board (400 x 200) Flat Edge- Glossy (Cat.No.C8545)	Each	6.00			
37.14	Pillar Cock BASIN MIXER Supplying, fitting and fixing Chrome Plated (C.P.) basin mixer complete as directed. (III) Jaquar make a) Continental / Clarion	Each	25.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	i) Central hole basin mixer without popup waste system with 450mm long copper pipes and brass nuts Cat No. 167					
37.15	GLASS SHELF: Providing fitting and fixing Glass Shelf complete as directed and specified.  Glass shelf with C.P. guard rail (iii) Jaquar make (a) Continental 550 mm long (Cat. No.ACN-1171N)	Each	21.00			
37.16	Sink Cock SINK MIXER Supplying, fitting and fixing Chrome Plated (C.P.) sink mixer complete as directed. (III) Jaquar make a)Continental/ Clarion i) Sink mixer with swinging casted spout (wall mounted model) Cat No.309	Each	11.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
37.17	Basin Mixer Supplying, fitting and fixing Chrome Plated (C.P.) basin mixer complete as directed. III) Jaquar make b) Queen's Collection i) Central hole basin mixer with regular spout without popup waste system with 450mm long copper pipes and brass nuts Cat No.7167	Each	25.00			
37.18	Bib Cock Supplying fitting and fixing C.P. bib cock 15mm dia of approved brand directed and specified.  II) Jaquar make (b)Queen's collection / The Stealth Rangers ii)C.P.2-way bibcock with wall flange	Each	31.00			
37.19	Providing, fitting and fixing C.I grating to the floors complete as directed and specified. 100mm dia	Each	71.00			
37.20	Providing, fitting and fixing hand faucet for toilet att complete.	Each	25.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
37.21	<p>Stop Cock</p> <p>Supplying fitting and fixing chrome plated (C.P.) stop-cock of approved brand and size as mentioned below as directed and specified.</p> <p>(i)Jaquar (a) Continental / Clarion (i)15mm dia Male / Female (long thread)</p>	Each	82.00			
37.22	<p>SHOWER:</p> <p>Supplying fitting and fixing Chrome Plated (C.P.) shower 15mm dia. Of approved brand as directed and specified. (Pipes will be measured and paid separately)</p> <p>(III) Jaquar make a) Continental (ii) Shower arm 190mm long heavy casted body with wall flange</p>	Each	24.00			
37.23	<p>WALL MIXER</p> <p>Supplying, fitting and fixing Chrome Plated (C.P.) wall mixer complete as directed.</p> <p>Jaquar make a) Continental/ Clarion ii) Wall mixer non telephonic shower arrangement Cat No.219</p>	Each	24.00			



Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
37.24 37.24A	<p>PIPING: Providing and fixing Polythene - Aluminium - Polythene (PE-AL-PE) Composite Pressure pipes U.V.stabilised with carbon black conforming to ASTM F-1282-1995 for water supply including clamps at 1metre spacing &amp; other fittings like Bend, Tee, Elbow etc all complete at all levels, all heights and all locations with cutting &amp; making good the walls etc. Kitec Brand</p> <p>(A) Exposed on walls</p>					
37.24A (a)	a) 2532(32mmOD) pipe	RM	300.00			
37.24A (b)	b) 3240(40mmOD) pipe	RM	210.00			
37.24 A(c)	c) 4050(50mmOD) pipe	RM	195.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
37.24B	(B) Concealed pipe with cutting chases & making good the walls with all necessary fittings as required.					
37.24B (a)	a) 1216(16mmOD) pipe	RM	125.00			
37.24B (b)	b) 1620(20mmOD) pipe	RM	75.00			
37.24B (c)	c) 4050(50mmOD) pipe	RM	25.00			
37.25	PVC PIPES, BENDS, JUNCTIONS,TEES ETC. Providing,Supplying, fitting and fixing PVC pipes of 6 Kg/cm2 (Supreme/Prince) including joining ,fitting and fixing with clamps at 1metre spacing & other fittings like Bend, Tee, Elbow etc.as necessary complete at all levels, all heights and all locations including below G.L as directed and specified.					

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
37.25A	a) In exposed surfaces or in trenches.					
37.25A (a)	(i) 110mm dia.	Rm	486.00			
37.25A (b)	(ii) 75mm dia.	Rm	270.00			
37.25A (c)	(ii) 50mm dia	Rm	125.00			
37.26	<p>WATER TANK:  Providing, Supplying and placing plastic cylindrical vertical closed top (PCVC) tank of Sintex make over the staging with manhole cover with locking and cleaning arrangement including providing pads of size as required for inlet and outlet pipes</p> <p>(I) 2000 Lt capacity  (a) Sintex make</p>	Each	10.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
38.00	ELECTRICAL WORKS					
38.01	<p>INDOOR LIGHT</p> <p>Supplying including installation, testing and commissioning of Readymade Panel board conforms to IS : 8623, IEC : 60439 made of Phosphatised powder painted wall mounting type complete with Ana log meter module cable Alley both LHS and RHS, Aluminium Bus bar, Din Rail, Neutral Bar, Earth Bar etc. with Provision for 1 No. 4 pole MCCB as incomer and provision for 8 Nos.TP MCCB out goings as specified and directed by the depts. and comprising of the following electrical items:</p> <p>1. Panel Board up to 400 A Incomer, O/G TP MCCBs</p> <p>2. Meter Module- Digital (Provision for Ammeter, Voltmeter, Selector Switch, Control Fuses, Indicating lights, MCBs etc.</p> <p>3. cable Alley 8 Way for incoming 400A (Incoming and Outgoing MCCB of reqd. rating will be measured and paid separately)</p>	Each	1.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
38.02	Supplying with fitting and fixing 7segment sheet steel, phosphatised, powder painted surface mounting TPN DB (IP 20) incorporated with bas-bar, Neutral link, Earth bar and din rail etc fitted on wall with grouting nuts & bolts as reqd. with provision for 125A FP MCCB as incomer, DP MCB/RCCB/RCBO as sub incomer and SP MCB as outgoing complete with making necessary connection as approved, specified and directed by the depts.					
38.02A	(a) 8way (8+12+24)	Each	1.00			
38.02B	(b) 12way (8+12+36)	Each	4.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
38.03	<p>Supplying with fitting and fixing panel mounting open execution 35/36KA 415V 50Hz 4P MCCB (Ics=Icu, adjustable Ir setting 0.7) without enclosure) of the following capacity complete with making necessary connection as approved, specified and directed by the deptt.</p> <p>35/36 KA 415V 50 Hz 4P MCCB(Havells,MK,legrand make as approved by the Deptt.) 400A</p>	Each	2.00			
38.04	<p>Supplying with fitting and fixing panel mounting open execution 25KA 415V 50Hz 4P MCCB (Ics=Icu, adjustable Ir setting 0.7) without enclosure) of the following capacity complete with making necessary connection as approved, specified and directed by the deptt.</p> <p>25 KA 415V 50 Hz 4P MCCB (Havells, MK, legrand, Siemens make as approved by the Deptt.) ) 100A</p>	Each	7.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
38.05	<p>Supplying with fitting and fixing 30/100/300mA sensitivity 240/415V 50Hz 4P RCCB of the following capacity complete with making necessary connection as approved, specified and directed by the deptt.</p> <p>100/300mA sensitivity 4P RCCB( Havells, MK, Legrand make as approved by the Deptt.)</p> <p>100A / 32A/25A/20A</p>	Each	61.00			
38.06	<p>Supplying with fitting and fixing single Pole 10 KA 240/415V 50Hz MCB of the following capacity complete with making necessary connection as approved, specified and directed by the deptt.</p> <p>B Series (Havells, MK, Legrand make as approved by the Deptt.) make as approved by the Deptt.)</p> <p>6 to 32A</p>	Each	100.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
38.07	<p>Supplying with fitting and fixing TPN 415V 50Hz AC23A duty double break open execution panel mounting cubical type Switch Disconnection as approved by the Deptt.tor Fuse Unit (IP-20 protection) with HBC fuse of the following capacity complete with making necessary connection as approved, specified and directed by the deptt.</p> <p>(Havells,MK,Legrand make as approved by the Deptt.) make as approved by the Deptt.) 400A</p>	Each	1.00			
38.08	<p>Supplying with fitting and fixing TPN 415V 50Hz AC23A duty double break open execution panel mounting cubical type Switch Disconnection as approved by the Deptt.tor Fuse Unit (IP-20 protection) with HBC fuse of the following capacity complete with making necessary connection as approved, specified and directed by the deptt.</p> <p>(Havells,MK,Legrand make as approved by the Deptt.) make as approved by the Deptt.)</p>					
38.08A	(I) 32A	Each	26.00			



Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
38.08B	(II) 125A	Each	5.00			
38.09	SUPPLYING FITTING AND FIXING OF (DOWELLS/ COMET make) ALUMINIUM inline connection as approved by the Deptt.tor. Size: ALUMINIUM inline connection as approved by the Deptt.tor. Size: 185	Each	8.00			
38.10	Supply and laying of following size PVC/XLPE insulated and PVC sheathed 1.1 KV G Solid Aluminium conductor up to 10 sq mm balance stranded conductor, XLPE Insulated, cores laid up, PVC tape inner sheathed, Armour (Aluminium for single core up to 70 sq mm balance Aluminium strip, Galvanised for	Metre	100.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	<p>cables up to 2x10 sq mm, 3x10 sq mm, 4x6 sq mm balance all galvanised steel strip) , extruded PVC Type ST2 sheathed, 650/1100V grade as per IS 7908(Part 1) 1988 armoured U.G. cable U.G. cable laid in ground/partially in air (as required for termination over ground including excavation of cable trench up to depth of 75cm, refilling, protective brick covering, Sand cushioning etc complete handling of surplus spoil, debris et to proper place as specified and directed by the depts. ( Havells/ /Polycab/ Finolex make as approved by the Deptt.) .</p> <p>3 &amp; 1 / 2 Core A2XFY 185.00 Sq. mm. 3 &amp; 1/2 Core armoured U.G. cable</p>					

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
38.11	<p>Wiring for circuit wiring with P.V.C. insulated single core unsheathed industrial flexible cable conforming to IS-694: 1990 with flexible bright annealed copper conductor for voltage grade up to 1100 volts (Finolex /RR Kabel /Nicco / Anchor or . Make as approved by the Deptt.) in surface/ recessed PVC 2 mm thick conduit (Berlia/ Polycab make as approved by the Deptt.) wiring system.</p> <p>With 4 x 10 sq. mm. + earth continuity with 2x6 sq. mm. cable in 40 mm. dia. 2mm thick/ heavy rigid PVC IS: 9537 Part - III conduit. ( Havells/ /Polycab/ Finolex make as approved by the Deptt.) .</p>	Metre	100.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
38.12	Wiring for circuit wiring with P.V.C. insulated single core unsheathed industrial flexible cable conforming to IS-694: 1990 with flexible bright annealed copper conductor for voltage grade up to 1100 volts (Finolex /RR Kabel /Nicco / Anchor or . Make as approved by the Deptt.) in surface/ recessed PVC 2 mm thick conduit (Berlia/ AKG / Precision/ Presto Plast/Polycab/ MW or . make as approved by the Deptt.) wiring system.					
38.12A	With 2 x 2.5 sq. mm. + earth continuity with 1x1.5 sq. mm. in 20 mm. dia. 2mm thick/ heavy rigid PVC IS: 9537 Part - III conduit. ( Havells/ /Polycab/ Finolex make as approved by the Deptt.) .	Metre	1000.00			
38.12B	With 2 x 6 sq. mm. + earth continuity with 1x 4 sq. mm. cable in 25 mm. dia. 2mm thick/ heavy rigid PVC IS: 9537 Part - III conduit. ( Havells/ /Polycab/ Finolex make as approved by the Deptt.) .	Metre	900.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
38.12C	With 2 x 16 sq. mm. + earth continuity with 1x 6 sq. mm. cable in 25 mm. dia. 2mm thick/ heavy rigid PVC IS: 9537 Part - III conduit. ( Havells/ /Polycab/ Finolex make as approved by the Deptt.) .	Metre	100.00			
38.13	Supply and fixing of 19 mm dia 1.50mm to 2.00mm average wall thickness heavy rigid PVC IS: 9537 Part - III conduit (Berlia / Polycab make as approved by the Deptt.) on surface system including painting etc as required:	Metre	1500.00			
38.14	Supply and fixing of 25 mm dia 1.50mm to 2.00mm average wall thickness heavy rigid PVC IS: 9537 Part - III conduit (Berlia / Polycab make as approved by the Deptt.) on surface system including painting etc as required:	Metre	500.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
38.15	Supply and fixing 32 mm mm dia 2.00mm average wall thickness heavy rigid PVC IS: 9537 Part - III conduit (Berlia/Polycab make as approved by the Deptt.) on surface system including painting etc as required:	Metre	500.00			
38.16	Supply with installation & commissioning of readymade maintenance free CPRI approved chemical earthing system with 50 mm dia. 3.00 Metres length corrosion free dual pipe technology G.I. CHEMRODE ELECTRODE complete with RESLOW Grounding Minerals (25 K and Advance Earth Pit cover (PV including excavation of earth pit and construction brick earth chamber including plastering both inner & outer surface of brick wall as specified and directed by the deptt.	Each	2.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
38.17	Supplying & laying of 6 SWG G.I.. earth drawn through 15 mm dia. Medium quality G.I. pipe from Earth Electrode (below G.L.) to electrical switch gears or electrical machineries including making necessary connection as approved, specified and directed by the deptt.	Metre	100.00			
38.18	Supplying and fixing 18 S.W.G sheet steel metal boxes of the following sizes in surface Wiring system with suitable size of 3 mm thickness phenolic laminated sheet cover on the front face of the boxes including painting etc. as required and specified by the department.					
38.18A	100 mm x 100 mm x 60 mm deep (Nominal size ) (Havells,MK,Anchor, Legrand make as approved by the Deptt.) make as approved by the Deptt.)	Each	42.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
38.18B	100 mm x 150 mm x 60 mm deep (Nominal size ) (Havells,MK,Anchor, Legrand make as approved by the Deptt.) make as approved by the Deptt.)	Each	64.00			
38.18C	200 mm x 150 mm x 60 mm deep (Nominal size ) (Havells,MK,Anchor, Legrand make as approved by the Deptt.)	Each	71.00			
38.19	Supplying with fitting fixing of 6 amp one way modular clip in bell push MODEL LEGRAND (ARTEOR), ANCHOR (AVE), MK (BLENZE),HAVELLS including making necessary connection as per direction of department.	Each	409.00			



Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
38.20	Supplying including installation of socket outlet 6/16 Amps 3/5 pin combine shuttered complete , MODEL LEGRAND (MYRIUS), ANCHOR (VIOLA), MK (WRAPAROUND/ PLUS), HAVELLS including making necessary connection as per direction of department.	Each	121.00			
38.21	Supplying fitting and fixing industrial Plug & Socket in surface mounting SPN sheet steel powder painted MCB DB incorporated with MCB DIN rail, neutral link Earth bar of the following rating of DP MCB complete with making necessary connection etc. as specified and directed by the Deptt.  20A Capacity. ( Legrand, MK ,Havells, Anchor make as approved by the Deptt.)	Each	64.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
38.22	<p>Wiring to 5 a pin 6 Amps plug point with 1.5 sq. mm P.V.C. insulated single core unsheathed industrial (Multistrand) cable HFFR/ZHFR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex / RR Kabel / Nicco Make as approved by the Deptt.) in surface / recessed 2 mm thick rigid low</p> <p>halogen SFT PVC IS: 9537 Part - III conduit (Berlia / Polycab make as approved by the Deptt.) wiring system including 5 pin 6 Amps flush type plug socket and 6 Amps F/T switch ( Legrand, MK ,Havells, Anchor make as approved by the Deptt.)GI / MS switch board (ISI marked) with phenolic laminated sheet cover including earth continuity with 1.5 sq. mm. cable to third pin of the plug socket etc. as required complete, when placed elsewhere.</p> <p>Short point up to 3.00 metre. length.</p>	Each	121.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
38.23	<p>Wiring for light/ fan/ call bell point with 2x1.5 sq. mm. P.V.C. insulated single core unsheathed industrial (Multistrand) cable HFFR/ZHFR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex /RR Kabel /Nicco or . Make as approved by the Deptt.) in surface/ recessed conduit wiring system with 2 mm thick 20mm dia rigid low halogen SFT PVC IS: 9537</p> <p>Part - III conduit (Berlia / polycab make as approved by the Deptt.) including 6 Amp flush type switch/ bell push (Anchor penta /Gold medal /Kolor kany.Kom/Havells or . make as approved by the Deptt.) in GI/ MS switch board (ISI marked) with phenolic laminated sheet cover ,ceiling rose (Anchor penta /Gold medal /Kolor kany.Kom/Havells or . make as approved by the Deptt.) etc. complete</p>					
38.23A	Short point up to 3.00 metre. length.	Each	100.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
38.23B	Medium point up to 6.00 metre. Length.	Each	209.00			
38.23C	Long point up to 10.00 metre. Length.	Each	100.00			
38.24	<p>Supplying including fitting fixing of following star rated A.C. Ceiling fan complete with all accessories like down rod, canopy etc. of following sweeps with making necessary connection cable, as approved by the Deptt.s etc. as required complete and as directed by the Department [Without regulator]. (ORIENT / PSPO/ Usha / CROMPTON / Havells/ ake as approved by the Deptt.)</p> <p>Energy efficient 5-star 54" sweep. ORIENT PSPO / Usha / CROMPTON / Havells make as approved by the Deptt.)</p>	Each	42.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
38.25	Installation, testing and commissioning of ceiling fan including the regulator /down rod of standard size (Up to 300 mm ) length including connection as approved by the Deptt.)as required.	Each	42.00			
38.26	Supplying including fitting fixing of following A.C. Wall fan in the wall of following sweeps with making necessary connection as approved by the Deptt.)as required complete and as directed by the Department  (CROMPTON / ORIENT / Havells / USHA make as approved by the Deptt.) V2 with metal blade, 450 mm sweep	Each	5.00			
38.27	Supplying including fitting fixing of following A.C. Exhaust fan in the existing hole on the wall of following sweeps with making necessary connection as approved by the Deptt.)as required complete and as directed by the Department..  Domestic Heavy Duty 450 mm sweep 900 RPM Single phase (ORIENT make as approved by the Deptt.)	Each	27.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
38.28	Supplying with fitting and fixing of LED Foot lamp with Box MODEL RANGE LEGRAND (MYRIUS), ANCHOR (VIOLA), MK (WRAPAROUND/ PLUS), SCHNEIDER (VIVACE), including making necessary connection as per direction of department.	Each	24.00			
38.29	Supplying with fitting fixing of CFL/Fluorescent luminaries complete with all accessories such as ballast, starter etc. directly on wall / ceiling including connection as approved by the Deptt.) with 1.5 sq mm P.V.C. insulated S.C. copper conductor as required and as directed by the department.	Each	34.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	Striplite luminaries complete with VPIT copper ballast and 1 X 18 / 20 watt Fluorescent tube.(Crompton Greaves make) Model- DSG1112LDB CROMGOLD with Super Saver / Super Brite Lamp/ DSG1112LDB CROMGOLD with Power Lux Lamp (. will be selected by the deptt considering the mother items rate) PHILIPS/ BAJAJ/ Havells/ JAQUAR make.as approved by the Deptt.					
38.30	Supplying, installation, testing and Commission of the following indoor Decorative recessed typed mirror optics luminaries of T5 complete with all accessories such as ballast, starter etc. In the false ceiling type Armstrong /Gypsum or similar ceiling mounting with necessary support with 1.5 sq.mm. P.V.C. insulated S.C.copper conductor as required and as directed by the department	Each	4.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
	WVF 79414 SGW 4 x 14 W FTL (T5) WIPRO IDEOS make Recess mounted indirect- direct luminaries with Parabolic P5 Louvers and acrylic diffuser. (. will be selected by the deptt considering the mother items rate) (. PHILIPS/ JAQUAR make).					
38.31	Supplying, installation, testing and Commission of the following indoor CFL/Fluorescent luminaries complete with all accessories such as ballast, starter etc. directly on wall / ceiling including connection cable, as approved by the Deptt.)with 1.5 sq mm P.V.C. insulated S.C.copper conductor as required and as directed by the department.					
38.31A	Compact CFL luminaries complete with Serrated diffuser & Decorative coloured end caps and Electronic ballast with 1 X 11 W CFL (Crompton Greaves make Model- TLN11/ W MINI MIRRORLITE or . (. will be selected by the deptt considering the mother items rate) (. PHILIPS/ BAJAJ/ Havells/ JAQUAR make as approved by the Deptt.).	Each	152.00			



Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
38.31B	24W, Phillips down light	Each	72.00			
38.32A	<p>Supplying and fitting fixing of Electric storage water heater [Geyser] of Bajaj/Crompton make including necessary connection cable, as approved by the Deptt.)etc. as required complete and as directed by the Department.</p> <p>Horizontal type (v)25.00 litres. Capacity (5 Star Model) (Bajaj / Crompton/Recold make as approved by the Deptt. )</p>	Each	1.00			
38.32B	<p>Supplying and fitting fixing of Electric storage water heater [Geyser] of Bajaj/Crompton make including necessary connection cable, as approved by the Deptt.)etc. as required complete and as directed by the Department.</p> <p>Vertical type : (ix) 50.00 litres. Capacity (4 Star Model) Bajaj / Crompton/Recold make as approved by the Deptt. )</p>	Each	9.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
38.33	Supplying and fitting fixing of Hi-Path 1150M Digital Communication System equipped with the following: 2 P&T Ports - 34 Extension Ports (upgradeable up to 50 extensions) Auto Call Back , Built-in FAX/DID 3 party Conference In-built Caller ID Supports PRI / BR Built in Voice Guided Direct inward Dialling 3 party Conference In-built Caller ID 100% Non- Block ( SIEMENS as approved by the Deptt.)	Each	4.00			
38.34 38.34A	LIGHTNING Supply, fitting & fixing 20 mmx3 mm Copper strips drawn on vertically or horizontally on building wall/parapet wall in surface system complete with supply of Brass Nuts & Bolts, Screws etc including riveting, soldering and making connection as approved by the Deptt.)with earth electrode copper strips and Lightning Arrestor etc. as specified and directed by the deptt.	Meter	200.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
38.34B	Supply, fitting & fixing of Lighting Finial Arrestor made of 25 mm dia 300 mm long solid Copper tube having 85 mm dia. single prong at top and 3 mm thick base plate at bottom complete with fitting & fixing with Brass nuts & bolts on roof, RCC slab, top of column etc. as specified and directed by the deptt.	Each	6.00			
38.34C	Supply with installation & commissioning of readymade maintenance free CPRI approved chemical earthing system with 50 mm dia. 3.00 Metres length corrosion free dual pipe technology G.I. CHEMRODE ELECTRODE complete with RESLOW Grounding Minerals (25 K and Advance Earth Pit cover (PV including excavation of earth pit and construction brick earth chamber including plastering both inner & outer surface of brick wall as specified and directed by the deptt.	Each	6.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
38.35	<p>STREET LIGHT</p> <p>Supplying including installation, testing and commissioning of Solar Street light as per following specification and as directed by the Department.</p> <p>15 W LED SOLAR STREET LIGHT [Confirming RDSO Specification No: RDSO/PE/SPEC/PS/0093-2008(Rev 0)]</p> <p>SYSTEM SPECIFICATION</p> <p>15 W LED based luminaries/fixture (1500 Lumens –typical).</p> <p>LED Type: White High Powered LED's 5500-6500 K temperature.</p> <p>Automatic Dusk to Dawn Operate ion. Independent standalone Solar Street Lighting System.</p> <p>Powered by a 12V, 80 Wp Solar PV Module confirming RDSO Part-I Approval &amp; IEC: 61215 Certification. (Model: TBP 1280/ 1280M). (make: TATA BP SOLAR)</p> <p>12V, 75Ah @ C10, Tubular Plate Lead Acid Low Maintenance Battery with PP Container</p> <p>(make: TATA BP SOLAR ).</p> <p>Battery Box made of M.S fabricated with corrosion resistance paint.</p>					

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
38.35A	<p>6m height MS Pole with corrosion resistance paint.</p> <p>Manufacturers Criteria: Must have ISO: 9001 &amp; ISO: 14001 Certification. (As per Annexure A: Clause no: b, Page 10) Must have integrated production capacity of Solar PV Cell &amp; Module. (As per Annexure A: Clause no: d, Page: 10) SUGGESTED UNIT PRICE</p> <p>Unit Cost Without Installation &amp; Commissioning.</p>	Each	17.00			
38.35B	Installation & Commissioning Charges	Each	17.00			

Sl. No.	Description of work	Unit	Quantity	Rate in Rupees (Rs.)		Amount
				In Figure	In Words	
38.36 38.36A	OUTDOOR LIGHT 24W Philips Post light for outdoor landscape ( as approved by the Deptt.)	Each	21.00			
38.36B	12W Philips Wall light for outdoor light ( as approved by the Deptt.)	Each	80.00			

Total Amount = Rs.

Service Tax (%)

Grand Total = Rs.

**Total Amount in Figure = Rs.**

**Total Amount in Words = (Rupees \_\_\_\_\_)**

**Note:**

1. The above quoted rates should be inclusive of all taxes. The taxes will be deducted at the time of payment.
2. The quoted rate is inclusive of Labour welfare cess of 1% and the same will be deducted for bills.
3. Contractor's/Bidder's signature with seal is mandatory on every page of the Tender Documents as well as every page of the supporting documents