

Client Name and Location		CarbonBlueGlobal	
Project Name		CIVIL WORK	
SUMMARY OF BILLS OF QUANTITIES			
<i>SR. NO.</i>	<i>PARTICULARS</i>	<i>PAGE NO.</i>	<i>TOTAL AMOUNT</i>
Part-I			
1.	DIVISION 2 - SITE WORK		
2.	DIVISION 3 - CONCRETE		
3.	DIVISION 4 - MASONRY		
4.	DIVISION 5 - METALS		
5.	DIVISION 7 - THERMAL AND MOISTURE PROTECTION		
6.	DIVISION 9- PLASTERING WORK		
Total			

Project Name

PRICED BILLS OF QUANTITIES

SR. NO.	PARTICULARS	UNIT	RATE	Quantity	AMOUNT
1.	DIVISION 2 - SITE WORK				
1.1	Excavation in all kinds of soil, wet or dry in loose and slushy condition, including removal of vegetation, shrubs and debris, spreading, levelling, watering and stacking of excavated material for back filling within the premises; if required, dewatering by bailing/pumping out water to keep the site dry at all times, making temporary stepping / sloping, shoring with planking, strutting, sectioning, trimming, dressing of sides, levelling or grading, cleaning, removing and excavating loose pockets and consolidating them by backfilling as directed by the PM. Including trimming of the existing tree roots using acid methodology and protection of existing tree roots as per direction of PM	Cu m		3,004.00	
1.2	Surface dressing of the ground in all kinds of soil including removing vegetation and in-equalities not exceeding 20 cm deep and disposal of rubbish outside the site as directed by the PM.	Sq m			
1.3	Filling and area leveling etc. in layers each not exceeding 250mm in depth, breaking clods, watering, compacting each layer with vibratory compactor and at inaccessible places with wooden/steel rammers to achieve 95% proctor density at optimum moisture content; dressing up embankments; if required, bailing/pumping out of water to keep site dry while back filling; costs includes conveyance of all materials, labour, machinery etc. complete as per direction of the PM to his entire satisfaction.				
	a) With selected excavated earth available within plot.	Cu m		2,267.00	
	b) Providing and filling with approved earth from outside.	Cu m		2,267.00	
1.4	Carting away surplus earth / excavated material outside the Site as per directions of the PM at approved location including spreading, compacting etc. using manual, mechanical equipments and machinery including handling of excess materials to the satisfaction of the PM. The rate should include all the performance and mobility related factors for manpower, mechanical equipments and machinery.	Cu m		2,315.00	
1.5	Providing, diluting and injecting chemical emulsion for pre-constructural anti-termite treatment and creating a continuous chemical barrier under and around the column pits, wall trenches, basement excavation, top surface of plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surroundings of pipes and conduits etc. complete.	Sq m		7,940.00	
	DIVISION 2 - SITE WORK				
2.	DIVISION 3 - CONCRETE				
2.1	PCC Work				
2.1.1	Providing, machine mixing and laying M10 grade plain cement concrete (PCC) of required thickness for foundation, rafts, plinth beams, levelling course and all locations, etc. including compacting, curing, required shuttering and its removal, dewatering where required and vibrating, cleaning, preparing surfaces, junctions, etc.; complete at all depths and leads as per the drawing and to entire satisfaction of the PM.				
a	Below Footing	Cum		350.00	
b	Below Tie Beam	Cum		96.00	
c	For Plinth protection	Cum		14.00	
d	Below grade slab	Cum		751.00	
2.2	CONCRETE WORK				
2.2.1	Providing, machine mixing and laying designed mix / Ready mix M30 grade reinforced cement concrete (RCC) for footing, raft, column, slab, beam, walls, staircases, parapet, pardi, girder beams, UG & OHT, lift wall, miscellaneous items etc., using 20mm nominal size well-graded approved quality aggregate and sand as per approved design mix and with minimum cement content 350 to 380 Kg/cum as specified by Structural consultant; including using approved admixtures, vibrating / compacting, curing, scaffolding, cleaning, preparing surfaces, junctions, hacking closely surfaces to be plastered etc. complete but excluding the cost of Formwork and reinforcement to the entire satisfaction of the PM at all depths, heights, lifts and leads.				
a)	Footings	Cum		1,922.00	
b)	Plinth beam / Tie Beam	Cum		677.00	
c)	Columns	Cum		753.00	
d)	Circular/ Elliptical Columns	Cum		-	
e)	Beams at all levels	Cum		608.00	
f)	Curved Beams at all levels	Cum		209.00	
g)	Conventional Slabs at all levels and plinth slab	Cum		1,881.00	
h)	Staircase including steps	Cum		6.00	
i)	RCC Dome	Cum		312.00	
j)	Ramps	Cum		44.00	
k)	O. H Tank (Top & Bottom slab)	Cum		10.00	
l)	U.G water tank (Top slab & Wall)	Cum		48.00	

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PRICED BILLS OF QUANTITIES

SR. NO.	PARTICULARS	UNIT	RATE	Quantity	AMOUNT
	m) Miscellaneous i.e pardi, lintel, coping, sills, curb, manhole cover etc.	Cum		202.00	
2.2.2	Extra over Item No. 2.2.1 for M40 grade instead of M30. (with minimum cementitious content 400 Kg/cum or as specified by Structural consultant)	Cum		-	
2.2.3	Rebate over Item No. 2.2.1 for M25 grade instead of M30. (with minimum cementitious content 325 Kg/cum or as specified by Structural consultant)	Cum		-	
2.3	FORM WORK				
2.3.1	Providing, fabricating, erecting and fixing in position water proof plywood centering and shuttering 12mm thk to be approved equivalent make true to line and level, including required height's steel propping and staging, at all heights/levels, applying shuttering removal chemical emulsion/oil as approved, required bracing, if specified chamfering exposed edges, corners of beams, columns, walls etc., making leak proof joints etc. complete, at all leads and lift. Also include safely removing and dismantling the aforesaid assembly after specified or as approved period from the day of casting of concreting to the satisfaction of the PM. The item shall also include the required staging and supporting arrangements. Soffit of slabs shall be fairface finished with no undulation of more than 2mm permitted. Any defect noticed shall be corrected by grinding or as approved by PM, at Contractor's cost. The staging and formwork design shall be submitted to the PM and got approval from Structural Consultant before proceeding to erect the same.				
	a) Footings	Sq m		2,941.00	
	b) Plinth beam / Tie Beam	Sq m		2,675.00	
	c) Columns	Sq m		4,984.00	
	d) Circular / Elliptical Columns	Sq m		-	
	e) Beams at all levels	Sq m		3,960.00	
	f) Curved Beams at all levels	Sq m		1,442.00	
	g) Conventional Slabs at all levels and plinth slab	Sq m		5,231.00	
	h) Staircase including steps	Sq m		39.00	
	i) RCC Dome	Sq m		1,240.00	
	j) Ramps	Sq m		81.00	
	k) O. H Tank (Top & Bottom slab)	Sq m		68.00	
	l) U.G water tank (Top slab & Wall)	Sq m		252.00	
	m) Miscellaneous i.e pardi, lintel, coping, sills, curb, manhole cover etc.	Sq m		2,473.00	
	n) RCC wall in elliptical shape	Sq m		-	
2.3.2	- Do- as Item No. 2.3.1 above but for using water proof plywood centering and shuttering 18mm thk to be Anchor or greenply or approved equivalent make.				
	a) Elliptical slab	Sq m		-	
2.3.3	- Do- as Item No. 2.3.1 above but for using MS plate centering and shuttering of approved make as detailed in drawings.				
	a) Circular column	Sq m		-	
2.3.4	Extra over Item No. 2.3.1 above for supporting slabs and beams for additional height more than 5.00m with requiring staging for every 1.0m increase as described below. The staging or formwork design shall be submitted to the Structural Consultant & PM for approval before proceeding to erect the same. Shuttering cost to be inclusive of any grooves, pockets, niches for skirting, etc. (Area of staggering is measured in plan not in contract with concrete)				
	a) 5.0m to 6.0m height	Sq m		1,240.00	
	b) 6.0m to 7.0m height	Sq m		1,240.00	
	c) 7.0m to 8.0m height	Sq m		1,240.00	
	d) 8.0m to 9.0m height	Sq m		-	
2.4	FORMWORK- FORM FINISH				
2.4.1	Providing, fabricating, erecting and fixing in position designed approved brand formwork system using 18mm thick waterproof shuttering plywood to be approved equivalent make , shuttering giving fair finish concrete surfaces, making leak proof joints, using required couplers, tie bolts, M.S. Ties, Concrete Spacer wheels or SS spacers, providing openings/ cut-outs/ pockets, Niches, Grooves etc.; using required deshuttering emulsion which will not stain the concrete, etc. complete at all height, depths, lead & lift and required any height staging and supporting sturdy and braced. Also include removing & dismantling the aforesaid assembly after specified or as approved period from the day of casting of concrete. Shuttering design shall take into account staggering, supporting, grooves as required in single or double row, construction joints in shape and forms as detailed in the Architectural drawing. The pattern of the form work will be as per architectural drawings				

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SR. NO.	PARTICULARS	UNIT	RATE	Quantity	AMOUNT
	The contractor shall prepare and submit to the PM shuttering drawings showing mould details, its fixing, finish, construction joints proposed, leak proofing etc. all complete to the satisfaction of the Architect/ Project. The shuttering thickness, support and bracing should be as per shop drawings submitted by contractor & approved by the structural engineer. (Maximum no. of uses - 2)				
	a) Flat slabs at all levels	Sq m		-	
	b) Beam bottom and side surface of all sizes and shapes	Sq m		776.00	
	c) Vertical wall and Curved surface of all sizes and shapes	Sq m		545.00	
	d) Concrete fins	Sq m		-	
2.4.2	- Do- as Item No. 2.4.1 above but Shuttering to be supported in a manner such that tie bolts are not necessary and centring and supporting framework is to be increased accordingly	Sq m		-	
2.4.3	- Do- as Item No. 2.4.1 above but with Rough sawn salwood planks of approx 150mm height by 1200mm long to be fixed on ply for the surface finish and shall be free from warps. as per direction of Architect/ Project.	Sq m		-	
2.5	REINFORCEMENT WORK				
2.5.1	Providing, transporting to site, storing, de-coiling (if required), straightening, cutting, bending, spirally hooping, binding and placing, in position reinforcement bars , to correct shape and size as per detailed drawings, specifications, preparing and getting approved bar-bending schedules for all reinforced concrete work such as walls, columns / stub columns, beams, slabs, staircase etc.; with correct size of heavy duty PVC / concrete (of same grade of concrete) cover blocks and galvanized binding wire of 18 gauge, couplers in place of laps permitted, required dewatering, provide required labour and machines / equipment / tools / tackles for handling, shifting, bending, binding, etc. The rate shall include cost of concrete cover blocks, binding wire, all chairs, spacers and pins etc. all complete to the satisfaction of the PM at all depths, height, lift & leads.	MT		430.00	
2.5.2	Providing, fixing, aligning parallel threaded couplers for reinforcement wherever specified in the drawings for continuation / splicing of bars as recommended by the manufacturers. The item includes machining the reinforcing bars to match the threads of the couplers				
	a) 12 mm dia	Nos.		-	
	b) 16 mm dia	Nos.		-	
	c) 20 mm dia	Nos.		-	
	e) 25 mm dia	Nos.		-	
	f) 32 mm dia	Nos.		-	
	g) 40 mm dia	Nos.		-	
2.5.3	- Do- as Item No. 2.5.3 above but for using Reduced couplers				
	a) 16-12 mm dia	Nos.		-	
	b) 20-16 mm dia	Nos.		-	
	c) 25-20 mm dia	Nos.		-	
	e) 32-25 mm dia	Nos.		-	
	f) 40-32 mm dia	Nos.		-	
2.60	CORE CUTTING				
2.6.1	Drilling or Core cutting horizontal, vertical or inclined holes in reinforced cement concrete and / or hard rock of following sizes for a depth / length of 35 cm at all levels and locations as per directions of the PM.				
2.6.1.1	Horizontal core cutting				
	a) Upto 25mm dia	Nos.		-	
	b) Above 25mm to 50mm dia	Nos.		-	
	c) Above 50mm to 75mm dia	Nos.		-	
	d) Above 75mm to 100mm dia	Nos.		-	
	e) Above 100mm to 150mm dia	Nos.		-	
2.6.1.2	Vertical core cutting				
	a) Upto 25mm dia	Nos.		-	
	b) Above 25mm to 50mm dia	Nos.		-	
	c) Above 50mm to 75mm dia	Nos.		-	
	d) Above 75mm to 100mm dia	Nos.		-	
	e) Above 100mm to 150mm dia	Nos.		-	
2.6.1.3	Inclined core cutting				
	a) Upto 25mm dia	Nos.		-	

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SR. NO.	PARTICULARS	UNIT	RATE	Quantity	AMOUNT
	b) Above 25mm to 50mm dia	Nos.		-	
	c) Above 50mm to 75mm dia	Nos.		-	
	d) Above 75mm to 100mm dia	Nos.		-	
	e) Above 100mm to 150mm dia	Nos.		-	
DIVISION 3 - CONCRETE					
3.	DIVISION 4 - MASONRY				
3.1	Providing and constructing brick masonry in Sub and Superstructure with locally available approved quality bricks having minimum crushing strength 35 Kg/Sq. cm and water absorption maximum 20% in cement sand mortar CM 1:6 (1 cement : 6 Sand) mixed with approved non-shrinking compound as per manufacturer's instruction in specified courses of approved bond and including raking out joints, curing, doing independent double legged scaffolding, all complete as per specifications etc. at all heights, depths and leads, dewatering area where required complete as per specifications etc. all as directed by PM to his entire satisfaction.				
3.1.1	230mm thick wall	Cum		430.00	
3.1.2	230mm thick wall For Plinth	Cum		56.00	
3.1.3	350mm thick wall	Cum		543.00	
3.1.4	350mm thick wall For Plinth	Cum		429.00	
3.1.5	230mm thick wall for Seating	Cum		29.00	
3.1.6	550mm thick wall curved wall	Cum		280.00	
3.1.7	550mm thick curved wall for Plinth	Cum		65.00	
3.2	- Do - as per item no. 3.1 but 350mm thick brick masonry For Plinth	Cum		351.00	
3.3	-Do- as per Item No. 3.1 above but with 350mm thick brick masonry in curved profile For Plinth.	Cum		52.00	
3.4	-Do- as per Item No. 3.1 above but with 550mm thick brick jali masonry.	Cum		-	
3.6	Providing and constructing Half brick masonry with locally available approved quality fly ash brick having minimum crushing strength 35 Kg/Sq. cm and maximum water absorption 10%, in cement mortar CM 1:4 (1 cement : 4 Sand) mixed with approved non-shrinking compound as per manufacturer's instruction in specified courses of approved bond and including providing RCC patli beam of 150/100mm x 100 mm at every 1.00m C/C with 2 nos. 8 mm dia Tor bars and 6 mm dia links at 300 c/c in cement concrete of mix M 20, required formwork complete with raking out joints, curing, doing independent double legged scaffolding as per specifications etc. at heights and leads all as directed by PM to his entire satisfaction.	Sq m		7.00	
3.7	- Do - as per item no. 3.3 but for Ledge walls at toilet without patli beam.	Sq m		-	
3.8	Extra over for providing and forming of cavity up to 100mm between masonry walls (masonry wall paid separately under separate items) including fixing Rockwool insulation in cavity, cleaning, required G I ties of length and shape as detailed and approved by the PM.	Sq m		-	
3.9	Providing and constructing AAC (Autoclaved Aerated Concrete) block masonry in cement mortar CM 1:5 (1 cement : 5 sand) mixed with approved non-shrinking compound as per manufacturer's instruction, including required formwork complete with raking out joints, curing, doing independent double legged scaffolding as per specifications etc. at heights, depths and leads as directed by PM to his entire satisfaction.				
3.9.1	200mm thick wall	Sq m		-	
3.9.2	300mm thick wall	Sq m		-	
3.9.3	350mm thick wall	Sq m		-	
3.10	Providing and constructing 100mm thick AAC (Autoclaved Aerated Concrete) block masonry in cement mortar CM 1:4 (1 cement : 4 sand) mixed with approved non-shrinking compound as per manufacturer's instruction, including providing RCC patli beam of 100mm x 100mm at every 1.00m c/c with 2 nos. 8 mm dia Tor bars and 6 mm dia links at 300 c/c in cement concrete of mix M20, required formwork complete with raking out joints, curing, doing independent double legged scaffolding as per specifications etc. at heights, depths and leads as directed by PM to his entire satisfaction. (Patli beam is part of the item)	Sq m		-	
3.11	- Do - as per item no. 3.8 but for 150mm thick Terracota block masonry as detailed in drawing.	Sqm		-	
3.12	Providing and constructing uncoursed random rubble (Basalt stone) masonry as per specification with required through and corner stones in cement sand mortar in ratio of 1:6 (1 cement : 6 sand) filling voids with stone chip including raking out joints, at all leads and depths, scaffolding, dewatering, curing, flush pointing with cement sand mortar mix 1:4 (1 cement : 4 screened sand) etc. all complete as per specifications and directed to the entire satisfaction of the PM.	Cum		-	

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PRICED BILLS OF QUANTITIES

SR. NO.	PARTICULARS	UNIT	RATE	Quantity	AMOUNT
3.13	Providing and constructing approved solid cement block masonry , blocks conforming in cement mortar CM 1:4 (1 cement : 4 sand) mixed with approved non-shrinking compound as per manufacturer's instruction, including providing RCC Patli beam of 150mm x 100mm at every 1.00m c/c with 2 nos. 8 mm dia Tor bars and 6 mm dia links at 300 c/c in cement concrete of mix M 20, required formwork complete with raking out joints, curing, doing independent double legged scaffolding as per specifications etc. at heights, depths and leads as directed by PM to his entire satisfaction. (Patli beam is part of the item)	Cum			
DIVISION 4 - MASONRY					
4	DIVISION 5 - METALS				
4.1	STRUCTURAL STEEL WORK				
4.1.1	Preparing shop drawings, obtaining Structural Consultant's approval, supplying, fabricating, delivering at site, hoisting and fixing in position at all locations and levels, including all temporary staging and supporting work and making all structural steel work in accordance with the design, drawings prepared by the Consultants. The rate of steel work shall include cutting, grinding, machining, assembly, argon welding, jointing, of single / building up new sections with anchors, angles, beams, canopy, supports, column, trenches angel protections, trench covers etc., cost of fasteners (nuts, bolts and washers), pre-heating the sections to temperatures up to 250°C if thickness of the section is equal to or more than 25 mm. Fabrication will involve connections using plates, channels and angles, gusset plate, foundation bolts, cleats, fasteners, stiffeners etc. as per drawing with minimum yield strength of 250 Mpa and upto 355 Mpa. .				
	The rate shall also include one coat of zinc rich primer after properly cleaning the steel surface with wire brush and mild acid solution followed by washing with water and drying the surface completely, to be applied to individual fabricated parts of the structure prior to their erection & assembly in their final place. The rate shall also include the three coats of duco paint steel grey shade and of approved make as per recommendations of paint manufacturer to the approval of PM.				
	a) All structural steel in the form of plates, angels, channels, RS joists, Cruciform column, Circular section etc.	MT		-	
	b) MS open riser steel stairs as per detailed staircase drawings- striger plate and MS tray, MS railing quantities included in structural steel.	MT		-	
	c) MS beams, channels, plate, railing etc. for Catwalk including support framework	MT		-	
4.1.2	Providing fabricating & Erecting in position for stainless steel (316 grade) Brush finish such as cruciform columns, beams, channels built up section including argon welding finishing, detail as per consultant's drawing as instructed by PM.	MT		-	
4.2	SLEEVES				
4.2.1	Providing fixing M.S. (Class "C") sleeves of following sizes to correct line & level as per drawings within beams, slabs, walls, columns etc. Sleeves shall be duly sealed at ends with thermocol or any other material to make sure that no concrete enters & chocks the same during concreting. Also make clear that they are maintain to correct line & level during concreting, providing reinforcement around the sleeves as detail in the drawing etc., at all depths, heights, lifts and leads. Rate should include coating the sleeve two coats of Red Oxide and two coats of duco paint				
	a) Up to 25mm dia, Up to 200mm length	Nos.		10.00	
	b) Up to 25mm dia, Up to 250mm to 400mm length	Nos.		15.00	
	c) Up to 50mm dia, Up to 200mm length	Nos.		10.00	
	d) Up to 50mm dia, Up to 250mm to 400mm length	Nos.		16.00	
	e) Up to 100mm dia, Up to 200mm length	Nos.		11.00	
	f) Up to 100mm dia, Up to 250mm to 400mm length	Nos.		16.00	
4.2.2	- Do as per item no.4.2.1 for using PVC (10 Kg/ sqcm) sleeves .				
	a) Up to 25mm dia, Up to 200mm length	Nos.		-	
	b) Up to 25mm dia, Up to 250mm to 400mm length	Nos.		-	
	c) Up to 50mm dia, Up to 200mm length	Nos.		-	
	d) Up to 50mm dia, Up to 250mm to 400mm length	Nos.		-	
	e) Up to 100mm dia, Up to 200mm length	Nos.		-	
	f) Up to 100mm dia, Up to 250mm to 400mm length	Nos.		-	
4.2.3	Providing fixing S.S sleeve to correct line & level as per drawings within beams, slabs, walls, columns etc. Sleeves shall be duly sealed at ends with thermocol or any other material to make sure that no concrete enters & chocks the same during concreting. Also make clear that they are maintain to correct line & level during concreting, providing reinforcement around the sleeves as detail in the drawing etc., at all depths, heights, lifts and leads.	Nos.		50.00	

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SR. NO.	PARTICULARS	UNIT	RATE	Quantity	AMOUNT
4.3	Providing, fabricating and installing hot-dipped galvanized inserts in concrete in the form of mild steel angles, flats, plates, angle frames, sleeves as per details given by services consultants, etc. with anchors in the form of rods or flats including welding anchors, lifting hooks, rungs, templates etc., complete to correct line, level as shown in the drawings.	Kg		-	
4.40	Providing and fixing expandable anchor bolts (Hilti or Fischer) in concrete or masonry including drilling, cleaning the holes, ramming the bolts in the holes and manufacturer's specifications for fixing plates or other steel members to already cast concrete surfaces etc. at all depths, heights, lifts and leads. to complete as per satisfaction of the PM.				
	a) 10 mm core diameter	Nos.		-	
	b) 12 mm core diameter	Nos.		-	
	c) 16 mm core diameter	Nos.		-	
	d) 20 mm core diameter	Nos.		-	
	e) 25 mm core diameter	Nos.		-	
4.5	Providing and fixing Puddle flanges of required sizes in RCC structures at locations and levels as shown on the drawing, fabricated MS hot dip galvanized finish pipes assembly with 5mm wall thickness upto 65 mm nominal bore pipes and 6 mm wall thickness for 80mm or above diameter pipes welded to 5mm thick square plate of size 3 times the diameter of the pipe. Puddle flanges upto 50mm n.b shall have screwed ends whereas pipes of larger diameters shall be provided with flanges of approved sizes on both ends. Overall length of the puddle flange pipe shall be such that it will project 150mm/200mm on either side of the wall. The average length of the puddle flange shall be maximum 900 mm in length etc., at all depths, heights, lifts and leads.				
	a) 50mm dia	Nos		-	
	b) 75mm dia	Nos		-	
	c) 100mm dia	Nos		-	
	d) 150mm dia	Nos		-	
4.6	COATINGS AND PAINTS OVER STRUCTURAL MEMBERS				
4.6.1	Providing and applying anti-corrosive epoxy based paint over exposed structural steel work at any height in its finally erected position as per manufacturer's recommendations regarding surface treatment and application.	Sq m		-	
4.6.2	Providing and applying intumescient fire retarding paints of required thickness to exposed steel work at any height in its finally erected position as per manufacturer's recommendations regarding surface treatment and application.				
	i) one hour fire rating	Sq m		-	
	ii) Two hours fire rating	Sq m		-	
4.6.3	Providing and applying low density single pack factory blended & controlled proven premix aggregate fireproof coating comprising of exfoliated vermiculite cement with fire protective additives and fillers as bonding and reinforcing agents designed to adhere firmly to elements with a fire rating of 2 hours as per manufacturer's recommendations regarding surface treatment and application to exposed structural steel work in its finally erected position.	Sq m		-	
4.6.4	Providing and applying PU (Polyurethane) clear matte coating including one coat of red oxide/zinc chromate primer, such as cruciform column, built up section including argon welding finishing, detail as per consultant's drawing as instructed by PM.	Sq m		-	
4.6.5	Providing and applying 3 coats of white duco paint or shade as approved by Architect .	Sq m		-	
4.7	EXPANSION JOINT				
4.7.1	Providing and fixing 100mm wide filler type expansion joint with 3mm thick SS plate, Aluminium casted clip, 20mm thick compressible fiber board, 20mm thick premoulded joint filler in expansion joint and filling joint sealant compound complete Supreme capcell board along with 3R make as per detailed drawing etc. at all depths, heights, lifts and leads to complete as per satisfaction of the PM.	Rmt		60.00	
4.8	Providing and fixing 20mm dia 6mm thk SS 316 brush finish caps to conceal tie bolt marks as detail in drawing etc. complete as per satisfaction of the PM.	Nos.		-	
4.9	Providing and fixing hydrophilic water sealing materials of assorted profiles at construction joints at different locations during the construction of Basement Raft RCC and peripheral RCC Retaining wall and also construction joints at other water retaining structures like underground water reservoirs, WTP, WWTP, STP etc., including creating necessary nominal trapezoidal key shape in the formwork finish or by mason's finish, including applying suitable adhesives and sealants as recommended and supplied by the approved manufacturer for proper and highly secure bonding with substrate, rough / smooth and wet / dry, proper splicing and jointing at corners, T, L and X junctions using suitable cyanoacrylate glue, at all such locations as directed by PM.	Rmt		165.00	
	DIVISION 5 - METALS				
5.	DIVISION 7 - THERMAL AND MOISTURE PROTECTION				

Project Name

PRICED BILLS OF QUANTITIES

SR. NO.	PARTICULARS	UNIT	RATE	Quantity	AMOUNT
5.1	<p>Designing, providing and installing 150mm thick proprietary Terrace waterproofing consisting of brick bats in cement mortar mix in ratio of 1:5 (1 cement : 5 sand) with approved waterproofing compound of Nanoflex or equivalent make at the rate as specified by approved manufacturer to terrace, chajjas etc. including applying to cleaned, grouted concrete base surface, proprietary chemical water proofing system consisting of polymer modified acrylic base composite coating (of one part or two part component) as approved by the PM and as recommended by the approved manufacturer of waterproofing coating, and laying brick bat to required slope; outlet and rain water pipes grouted (minimum thickness 65mm), including making khurras, further finished with china mosaic tiles (White /grey) in pattern and size as approved by PM, joints grouted with waterproof jointing compound of approved colour and pattern all complete as per specifications as detailed and as approved by the PM; (providing & laying of china mosiac will paid seperately.)</p> <p>system to be carried over parapet wall about 300mm high from finish floor level including Watta, beveled or Chamfered portion at the junction of parapet. testing by ponding water about 200 mm high for 72 hrs. protecting till handover, testing for heat insulation etc. all complete as per specifications or equivalent as approved by the PM; contractor to provide guarantee for 10 years on Rs.100/- stamp paper in approved proforma.</p>	Sq m		5,594.00	
5.2	<p>China mosaic specification : Providing & laying in required position flooring / finishing layer of broken china mosaic in white/grey colour (broken pieces of glazed tiles 15mm and above but less than 40mm in size) over brickbat coba as per item 5.1 above or any other location in palin / curved surfaces as directed, including bedding mortar of 1 : 6 (1 cement : 6 Coarse Sand) admixed with pure acrylic Polymer Modified Cementitious water proofing compound (pure acrylic co-polymer), grey cement slurry @ 2.75kg per sqm, filling the joints with white cement, giving proper slopes, compaction with wooden rammer, rounding of the junctions and extending upto 15 cm along the parapet wall, curing, finishing and cleaning with oxalic acid etc. complete as directed by the PM. (Only paln area shall be measuredd for the payment.)</p> <p>i) For Flat Terrace</p> <p>ii) For Dome area</p>	Sq m		-	
		Sq m		5,594.00	
		Sq m		1,240.00	
5.3	-Do- Extra Over for item No. 5.2 above but finished with 50mm thick IPS in cement concrete 1:2:4, finished smooth or as required ready to receive floor finish.	Sq m		-	
5.4	<p>Designing, providing and laying average 300mm thick (minimum 75 mm thickness) terrace waterproofing treatment of approved system consisting of the following :</p> <p>a) Base coat with Chemical water proofing system consisting of polymer modified acrylic base coating in two coats in slurry form (total consumption of 1.5 Kg/Sqm) including applying to cleaned, grouted concrete base surface as approved by the PM and as specified by the manufacturer.</p> <p>b) Laying of light weight block bats to required slope in cement mortar of mix 1:5 (1 cement : 5 coarse sand) with approved waterproofing compound at the rate as specified by manufacturer.</p> <p>c) Providing with protective layer, geotextile mat of 160 gsm (min), loose laid over the roof slab. Laying of 1.2 mm thick TPO (Thermoplastic Polyolefin) Membrane sheet of approved make on horizontal surface and fully adhered on vertical surface. The size of Membrane shall be large enough to minimize the number of joints. Adjacent sheet shall be laid in similar fashion with an overlap at least 150 mm. The overlap shall be cleaned using a primer and sealed as per manufacturer specification. The Membrane shall be mechanically fastened using base tie-in fastening system. The counter flashing shall cover the top of the fastening system by a minimum of 100 mm. The Membrane shall be terminated on vertical surface by using Aluminium Termination strip and sealed with water block and sealant. Thereafter protective layer of geo-textile mat of 120 gsm shall be laid over Membrane with an overlap of 75 mm and spot stuck with neoprene base bonding adhesive.</p> <p>d) Top layer of 30mm thick cement concrete of mix 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregates) admixed with approved make waterproofing compound mixed in recommended proportions to receive ceramic tile floor finish.</p> <p>e) Protective layer with white ceramic glazed floor tiles of size 300 x 300 mm (thickness to be specified by manufacturer) of 1st quality conforming to IS:15622 of approved make laid on 20 mm thick cement mortar 1:4 (1cement : 4 coarse sand) with spacers as approved and jointing with white cement and matching pigment etc. (if given)</p> <p>The entire water proofing treatment shall be carried over to adjoining walls / pedestals up to 300mm height from finished floor level. Testing by ponding water for required depth for 72 hrs., testing for heat insulation etc. all complete as per system designed specifications and as per directions of the PM. The rate shall include cost all materials, preparation of surface, application and labour charges for all levels, leads and heights giving guarantee for 10 years on Rs.100/- Stamp paper in approved proforma .</p>	Sq m		-	
5.5	<p>Designing, providing and laying proprietary chemical waterproofing system consisting of two coats of acrylic polymer modified cementitious waterproof coating (shall contain a liquid polymer component and a cementations powder component, which shall be mixed as per manufacturer's instructions and applied over prepared concrete surface coverage @ 12-14 m2 per pack in 2 coats) over the entire toilet sunken slab and walls upto 1 M height from FFL as approved by the PM and as directed by the approved manufacturer of waterproofing coating, with sandwiched fibre mesh and protective screed. The work shall include cleaning of surface, grouting porous surfaces including making 'V' grooves at junctions, cracks with non shrink crystalline base cementitious grout etc. Further including horizontal and vertical surfaces protected with 20mm screeding in 1:4 mortar (1 cement : 4 sand), finished in ready to receive Architectural finish, in correct line, level and plumb, curing, grouting, testing, etc. all complete to entire satisfaction of the PM, contractor to provide guarantee for 10 years . (Location : Toilets)</p>	Sq m		296.00	
5.6	Designing, providing and installing proprietary crystalline waterproofing system to inside surfaces of the water retaining structures. (Lotus pond)	Sq m		208.00	

Project Name

PRICED BILLS OF QUANTITIES

SR. NO.	PARTICULARS	UNIT	RATE	Quantity	AMOUNT
5.7	<p>- System shall consist of preparation of surfaces including 'V' grooves at junctions and joints, pressure grouting the same and curing.</p> <p>- Applying crystalline waterproofing compound one / two coat at specified intervals and as recommended by manufacturer and allowed to cure.</p> <p>- Walls plastering and finished smooth with about 15 mm thick with cement sand mortar 1:4 (1 cement : 4 sand) using 2% of waterproofing compound by weight of cement.</p> <p>- Floors to have average 30mm thick IPS to gradient 1:2:4 (1 cement : 2 sand : 4 aggregate) including 45 x 6 mm thick SS dividing strip at 1220x2440mm c/c with waterproofing compound 2% be weight of cement including required wattas, rounding of corners; junctions with walls and floor finished smooth and cured.</p> <p>Tank shall be tested by filling the water and maintaining it for 72 hrs. leakage. Contractor shall provide 10 year guarantee for waterproofing</p> <p>Providing and doing proprietary Box type Water proofing by approved waterproofing agency; using stone cladding process to floors and walls from outside including required injection grouting if any of concrete all complete, as per approved method of proprietor / manufacturer, by the PM. The system shall be guaranteed for 10 years</p> <p>Actual area in plan & elevation as treated shall be measured) (Location: Lotus pond)</p> <p>Horizontal Surfaces</p> <p>- Preparing, cleaning and laying 20mm thk. bed of cement sand mortar mix ratio 1:4 (1 cement : 4 sand) bedding including waterproofing compound 2% by weight of cement.</p> <p>- Embedding 20 mm to 25 mm size aggregate to finish surfaces to create key to fix stone and curing the area.</p> <p>- Fixing 25 mm thick rough Kota stone laid by grouting and bedding with 20 mm thick in cement sand mortar mix 1:4 (1 cement : 4 sand) over keyed surface including 2% waterproofing compound by weight of cement; surface cured.</p> <p>- Joints pointed and grouted with cement sand mortar and entire surface bedded with cement sand mortar mix 1:4 (1 Cement : 4 Sand) about 20 mm thick and finished smooth and cured</p> <p>- Where required, pressure release pipes shall be provided during installing the above system and same shall be pressure grouted on completion of RCC raft including counter weight if any for the uplift of the raft to approval of PM.</p> <p>To Vertical Surfaces</p> <p>- Preparing the surface including making 'V' grooves at junctions, joints, cracks etc. providing nozzles and grouting then under pressure.</p> <p>- Fixing 20mm thick rough Kota stones to walls, by keeping a gap of 20 mm on rear side, grouting the joints and next day grouting the entire gap between stone and vertical surface with cement sand grout mix ratio 1:3 (1 cement : 3 sand) including 2% waterproofing compound by weight of cement.</p> <p>- Plastering entire surface with cement sand mortar ratio 1:4 and 2% waterproofing about 20 mm thick and finished smooth.</p>	Sq m		152.00	
5.9	<p>Grouting and sealing around the periphery joints of pipes / ms members passing through the floor and walls in various locations by filling micro concrete in the gap between the cut outs in the slab and the pipe surface and applying suitable polyester resin based waterproofing system around the periphery joints of the pipes to ensure water tightness, as per manufacturers recommendation etc. complete. The rate shall include ten years guarantee in proforma approved by the PM for workmanship, quality of work & materials.</p> <p>a) 50mm dia</p> <p>b) 75mm dia</p> <p>c) 100mm dia</p> <p>d) 150mm dia</p> <p>e) 200mm dia</p>	Nos		31.00	
		Nos		31.00	
		Nos		31.00	
		Nos		31.00	
		Nos		31.00	
DIVISION 7 - THERMAL AND MOISTURE PROTECTION					
6	DIVISION 9- PLASTERING WORK				
6.1	<p>Providing, preparing and plastering readymade proprietary Gypsum plaster to internal walls and ceilings average 15mm thick using Gyproc (universal) Elite plaster or equivalent approved, wall surfaces of concrete, masonry work, including approved 20 gauge GI mesh @ 150 mm wide with mesh reinforcement of approved make and quality wherever required at junctions of masonry and concrete or concrete and steel, doing jambs, sills, all types of grooves shown in the drawing, wattas, rounding of corners etc. all complete as per architectural drawing, specification and directed by PM, at all lift, lead and depth, doing independent double legged scaffolding, making gypsum plaster mix as per approved manufacturer's instruction, applying high grade polymer based bonding agent (Gyproc Bond IT) mixed with approved quality sand on RCC surfaces etc. complete as per manufacturer's specifications and approved by PM. Plastering shall be to correct line, levels and plumb including curing, cleaning etc. complete to entire satisfaction of PM.</p>	Sq m		-	

Project Name

PRICED BILLS OF QUANTITIES

SR. NO.	PARTICULARS	UNIT	RATE	Quantity	AMOUNT
6.2	Providing and applying 15mm thick Internal plaster in cement mortar mix ratio CM 1:4 (1 cement : 4 sand) mixed with polypropylene fibers as per instruction of the approved manufacturer, to internal surfaces of concrete and masonry work; including raking out joints, hacking concrete surfaces and applying approved chemical bonding agent and applying a scratch coat over concrete surfaces by bonding / adhesive chemical coat as directed by approved manufacturer to create a key, cleaning / grooving deep junctions of concrete & masonry, grouting them back by mortar mixed with non shrinking compound along with packing of clean, fresh square cut aggregate; also providing and fixing 20 gauge GI mesh @ 150 mm wide to junctions of concrete and masonry or concrete and steel, including preparing and finishing jambs, sills, grooves, pattas, wattas, rounding of corners, etc. all complete as per architectural drawings, specifications and finished smooth with wooden rundha etc. or as specified by the PM at all leads, depth and lifts, doing independent double legged scaffolding, cleaning of surfaces, curing, etc. complete as per specification and to the approval of the PM. (Location : Internal walls)	Sq m		4,235.00	
6.3	-Do- as per Item No. 6.2 above but with 15mm thick Internal plaster in curved surfaces.	Sq m		1,188.00	
6.4	Providing and applying 10mm thick ceiling plaster in cement mortar mix ratio CM 1:4 (1 cement : 4 sand) mixed with approved polypropylene fibres as per recommendations of the approved manufacturer, to internal surfaces of concrete work; including hacking concrete surfaces then applying approved chemical bonding agent for receiving scratch / dash coat plaster & curing, for creating a positive bond, preparing junction of concrete by neat cleaning, preparing grooves, pattas, wattas, rounding of corners, etc. all complete as per architectural drawings, specifications and finished smooth with wooden rundha etc; at all leads, depth and lifts, doing independent double-legged scaffolding, cleaning of surfaces, curing, etc. complete as per specification and to the approval of the PM. (To Internal ceilings)	Sq m		-	
6.4.1	To Internal ceilings	Sq m		4,323.00	
6.5	Providing and fixing 20 gauge GI chicken mesh @ 150 mm wide to Aerocon wall etc. all complete as directed and approved by the PM. (Location : Aerocon wall surfaces)	Sq m		-	
6.6	- Do - as per item no. 6.2 but to walls of ducts and inside the boxing masonry including adding approved waterproofing compound 2% by weight of cement or as directed by the PM to his entire satisfaction. (To ducts & boxing walls)	Sq m		172.00	
6.7	Providing and applying 6mm thick POP punning over cement plastered surface as detailed in drawing, including making level beads, cutting, scrapping and finishing smooth to perfect line and level corners, jambs, sills sharp / pencil rounded and perfect 90o angles; including touching, finishing adjoining surfaces such as 6x6mm grooves, pattas, drips, cornices, etc.; when checked with 3 m long edge of straight aluminium section there shall be no gap what so ever and no light should pass, etc. all complete as directed and approved by the PM at all locations marked in drawings. (Location : Internal walls)	Sq m		-	
6.7.1	To Internal walls	Sq m		5,423.00	
6.8	Providing and applying 20mm thick double coat external cement sand plaster ; first coat to be 12mm thick cement sand mortar of mix ratio CM 1:4 (1 cement : 4 sand) including adding 2% by weight of cement approved waterproofing compound and polypropylene fibers as per recommendations of approved manufacturer, second coat to be 8mm thick in cement sand mortar of mix ratio CM 1:3 (1 cement : 3 sand) including adding polypropylene fibers as per recommendations of approved manufacturer, finished sand face or as required to receive specified architectural external finish to correct line, plumb and level to external faces of walls, soffits/ceiling if any, including hacking concrete surfaces then applying chemical adhesive coating and a scratch/dash coat as a possitive bond, curing the same, racking out junctions of masonry and concrete, then pointing and grouting using non-shrinking compound, joints grouted by pressing square crushed stone, further providing 150mm wide 20 gauge GI chicken mesh at junctions of concrete and masonry work, doing independent double legged scaffolding etc. at all heights. Item also include plastering to preparing and finishing window sills, RCC cornices, making wattas, drip-moulds, pattas, bull nose all type of grooves as shown in the drawing etc., doing curing, cleaning, etc. all complete to the approval of the PM.			-	
6.8.1	To External walls	Sq m		5,793.00	
6.9	-Do- as per Item No. 6.8 above but with 20mm thick External plaster in curved surfaces.	Sq m		1,344.00	
6.10	Providing and applying coating over the Exposed concrete items with make Keim - concretal lasur problem solver for fair faces concrete which helps to fix streaks, discolouration or blowhiles on the concrete surface.	Sq m		-	
TOTAL OF PLASTERING WORK					

Client Name and Location		Project Name		CarbonBlue Global
Sr No	Description			
1.0	PREAMBLES -			
1	The contractor shall comply with all conditions as detailed in GCC & SCC			
2	Item description in Bills of Quantities (BOQ's) is exhaustive but may not cover all items, trades, materials, labour, specifications, conditions etc. However contractor shall be responsible to read item description in conjunction with Technical Specifications, Drawings and trade practices and is required to follow all requirements. Further description of item in Bills of Quantities, unless otherwise stated, includes, wherever necessary, conveyance and delivery handling, loading, unloading, storing, fabrication, crane and hoisting, scaffolding, all labour, for finishing to required shape and size, setting, fitting and fixing in position, straight cutting and wastages, return of packing, disposal, cleaning and other incidental charges.			
3	Many items have been repeated under different sections in this Bill of Quantities. The specifications for similar item will remain the same unless otherwise specified in the BOQ. All preamble, inclusions and exclusions will remain same everywhere. The rate quoted by the contractor for any item under any head will be applicable for the entire site or anywhere in the site and for all lifts and leads.			
4	The description of an item shall be deemed to include all preambles, headings, sub-headings and references to other documents. The detailed description of work and materials, given in the Specification are not necessarily repeated in the Bill of Quantities.			
5	Quantities given are tentative and any changes will not allow the contractor to claim extra on the rates quoted till end of contract period and extended period if any.			
6	The Contractor shall be paid for the actual quantity of work executed as measured at the site at the rates tendered. The Owner reserves the right to increase or decrease any of the quantities, or to omit totally any item of work. Any claim by the Contractor on these accounts will not be entertained.			
7	All approvals shall be obtained in written from Architect / Owner / Project Manager.			
8	All materials to be used at the site shall be tested as per specifications or as per the standard. Testing shall be done at site and / or at approved laboratories as specified or as directed by the PM at the cost of contractor. Any defective or unapproved / rejected materials will be removed from site immediately at contractors' cost.			
9	All relevant room heights have to be maintained by contractor as shown in drawings.			
10	All Surfaces when finished should be even without any undulations and with proper line & level in any direction. Rate shall include Setting out of works and site clearance.			
11	Quantities stated in the item are not to be used for ordering of any material. Contractor shall verify quantities himself and order with suppliers shall be placed with required wastages. Copies of orders shall be forwarded to PM to verify date of order, supplier and materials ordered.			
12	The Contractor shall order the quantities in stages as per the requirement and shall not order any material without the prior approval of Project Manager. Floor stacks should be approved from Project Manager.			
13	All the items of work given in this schedule of quantities shall be executed strictly in accordance with the latest Standard Specifications and read in conjunction with the relevant drawings and Specifications subject to requirement of site conditions.			
14	Shop drawings for All items needs to be produced by the contractor in accordance with the schedule allowing sufficient time for approval / procurement and it must be approved from Owner representative i.e. by the Architect / Project Manager.			
15	Contractor shall co-ordinate with other specialist contractors (such as Finishing, MEP, Lift, any other specialised work etc.) for execution of work and allow to use Passenger hoist at free of cost as when required for their works till completion of the works or extended period if any for full building completion.			
16	The contractor shall be responsible for protection of his own work and the work of other trades during the progress and till handover to the Owner.			
17	Contractor shall provide, required rigid double-legged steel scaffolding accessible at all locations along with safety railings as per EHSQ requirements.			
18	The Rate shall included providing and erecting 14 feet high temporary barricading at site, using MS angle and color coated GI sheets, including providing opening with gate as & where required for segregating & security purpose. The work shall be executed as per drawing/direction of PMC. The barricading shall not be removed without prior approval of Engineer-in- Charge. - If Required			
19	Contractor to organize himself for safe storage, handling, site offices, labour accommodation (labour can stay at site depending as per available space at site) including demolition & dismantling the same if any at his cost. No extra cost payable on this account. Material stacking at site shall be approved by Project Manager.- If Required			
20	Price of each item inserted shall be considered as self-supporting and do not have any bearing on other items of the project.			
21	Contractor shall engage sufficient number of labour and Supervisors at site full-time while the work is carried out, to ensure proper execution of the work. Authorized representative should be available as and when required by the Owner.			
22	Contractor shall not employ at work site any persons working with Owner or persons dismissed/suspended/retired from the services of the Owner, unless specific prior permission in writing is given by the Owner for such employment.			
23	Contractor shall also not employ any person who is or may be working with other contractor, and also those against whom the Owner may take exception.			
24	Contractor and all of his workers, servants, agents and officers employed by contractor shall observe the rules and regulations of the Owner particularly in regard to entry and exit and search by the Owner's authorised personnel and failing to which the Contractor is liable for penalty.			
25	Contractor shall not employ any employees having criminal records at site.			
26	Contractor shall allow to work day only. For night work Contractor should take prior approval / permission (via night work permit) from Project Manager. Night work will be allowed in special case and emergency only.			
27	Contractor shall ensure that all workmen refrain from smoking or carrying matches, fire or naked light or other means of producing naked lights or sparks or flames or fire, and any damage, loss, injury, harm or action to or against the Owner due to breach these provisions on the part of Contractor/ Sub - Contractor will be fully made good by the Contractor. Smoking is prohibited all over the premises. For gas cutting and welding works, contractor should take prior approval / permission (via Work Permit Form) from Project Manager.			
28	If any worker shall meet with accident, contractor must provide adequate financial help immediately for treatment at the hospital or outside facilities, including transport etc.			
29	Contractor shall show all Challans of materials to be shifted including debris at security gate while bringing in vehicle and all materials/tools taking outside the premises shall be verified by the Security of the Owner. The BOQ's rates must be included with disposal of construction debris and waste generated of the works (including lowering or lifting the debris from all levels & at all heights either by garbage chute or any other means) of the contractor and contractor to maintain the site clean all the team till handing over of works including debris management at contractor own cost and no claim in this regard is valid and its contractors responsibility on managing the environmental & debris management and its infrastructure costs and no additional payment and claims are paid in this regards.			
30	Contractor shall ascertain where to stock materials like tools / plants, machinery, etc., wherever applicable, prior to bringing them on site and depute his representative to take delivery of such materials and to ensure that the materials are unloaded and are stocked in specified area only. In case of wrong unloading he shall be immediately shift to proper places as the case may be and as directed by the PM of the Owner at Contractor's risk and cost. The Owner shall not be responsible for loading, unloading or checking of contractor's materials or detention of contractor's trucks due to the absence of his representative.			
31	The movement of workers or vehicles within the premises shall be restricted only to the place of work assigned to contractor.			
32	Contractors shall also be liable to the Owner for any act of commission or omission on the part of contractor's employee's thereby causing loss, damage inconvenience to the Owner.			

Client Name and Location		Project Name	CarbonBlue Global
Sr No	Description		
33	Workers must prevent mixing of undesirable items with Owner's material.		
34	The Owner may after issuing the order, require the Contractor to alter, to omit, add to or otherwise vary the works due to any change in their plan, after mutual discussions, with the final decision resting with the owner only.		
35	Contractor shall be responsible and liable to ensure that in course of carrying out / performing the Contract, no provisions of any laws, Bye - Laws, Rules or Regulations are violated or contravened. Contractor shall be responsible if any loss, damage or harm is caused to the Owner as a result of or arising out of or directly or indirectly due to any breach, violation or contravention of any Laws / Rules of regulation on the Contractor / Sub - Contractor part, or on the part of any contractors officers, servants, workers, or agents even if such breach, violation or contravention occurs not in course of carrying out / performing the Contract.		
36	After completing Civil work contractor have to take care of the same from any kind of damage to surface, repairing of damaged surface will not be considered for any extra measurement same shall be repaired by contractor at his own cost.		
37	All equivalent make to be as per approved make list provided in to the specifications or mentioned in BOQ's.		
38	Within 5 days of confirmation of work order contractor shall submit the detail quantities of items required to be issued by Owner (if applicable). Owner shall issue the materials as per requisition. Once issued, contractor shall be responsible for checking them as being in line with specifications and sound quality and be thereafter responsible for storage safe custody and accounting for such materials, any loss or damage to such materials shall be made good by contractor.		
39	Contractor should submit detailed reconciliation statement including Client supplied material (if any). While reconciling for the materials, the wastage will be considered as specified in tender document and if it not mentioned shall be approved by the Project Manager. Any additional wastage shall be recovered at the actual rate indicated elsewhere in this contract document or as per current market rate.		
40	Providing and forming all temporary roads / Pathways, cross over, foot path, tracks, hard standings, Temporary ramp to approach the excavated level etc. within the site and shall provide temporary foot path outside the boundaries if required to protect the public entering into the construction area at no extra cost.		
41	Providing and maintaining Field Laboratory in a satisfactory manner as per project guideline or as per Project Manager guideline till the completion of work to ensure site control on quality of materials and the works and shall strictly comply with provision of Standards at no extra cost. All other regular tests including requisite materials shall be carried out as directed either at approved laboratory or at site at no extra cost. Site laboratory should be well equipped & calibrated to carry out all necessary & required test. Test report of the same shall be submitted as and when required by the Owner.		
42	For the items of works having Basic rate of material, price adjustment will be made only on the actual quantity measured. Wastage shall be to Contractors account. Basic rate indicates landed cost at site including transportation charges, loading-unloading, transit insurance etc as applicable.		
43	All pre-fabrication works wherever possible shall be carried outside the Owner's premises, only assembling and final work will be allowed within the Site. Owner's / PM's representatives to be provided access to the fabrication yard at all times.		
44	Unless otherwise mentioned in the contract, the tenderer shall quote for the finished items and shall provide for the complete cost towards labour, materials, plant and machinery, operational costs, transport, repairs, rectification, maintenance till handing over, revenue expenses, contingencies, overheads, profits and all incidental items not specifically mentioned but reasonably implied and necessary to complete the works according to the contract.		
45	Any fault that occurs during the time of production, shifting or installation of finished materials should be replaced with good one as per the instruction from Project Manager at no extra cost.		
46	The rates quoted shall be inclusive of all mock-ups (Min. 1 in no or the no as desired by Owner / Architect / Project Manager), associated samples prior to any mass production or procurement as per complete satisfaction of the Owner and Architect. Inclusive of dismantling, demolishing and carting the material and making good of the surface.		
47	The contractor shall provide & maintain the required equipment throughout the contract period (as per the approved programme.) No extra cost shall be paid for the same.		
48	Tenderers are instructed to quote "rate only" for all QRO items without fail and not to enter any amount in the amount column. The rates quoted under QRO items is negotiable during the evaluation of the tender and the rationalized rate only will be considered if there is a need to operate QRO items during execution. Any percentage of discount/rebate offered by the tenderer during negotiation is applicable on all the quoted rates of the tendered items including "QRO" items.		
49	The scope of works shall include all RCC Work for various structural members from foundation to top level & other allied structures like Lintel, Paradi, Chajja, ledge, shaft enclosures, waterproofing, mock ups, and any other structural element which forms part of this Project. The scope also includes elevation effects in structural steel at any level.		
50	Sleeves of any material shape and size if required to be embedded in RCC works for services or any other purpose shall be included in the scope of work as per mentioned in BOQ. The contractor shall include in his rates the fixing of these sleeves in position as per working drawings/details issued prior to construction.		
51	Pockets of any size and shape if required to be provided as per drawings and / or as directed by Consultants / EIC shall be treated as incidentals to the R.C.C Works and the contractor shall not be paid any additional cost towards the provision of such pockets.		
52	Use of materials supplied by the Owner, shall be restricted to works being executed at site which will be forming part of permanent works.		
53	Property rights of the materials for which advance is paid, shall continue to vest with the Owner. The Contractor shall not utilise the materials or deal with them in any manner whatsoever except for use in the Contract.		
54	Cement and fly ash shall be stacked by the contractor in weather tight sheds constructed on work site away from walls and on a damp proof floor. Consignments shall be used in the order in which they are received. Adequate arrangements shall be made for keeping the shed dry during the wet weather by all means or as directed by the Project Manager.		
55	Steel received at site shall be in shapes and sizes, as available in the market and shall be stacked on firm ground with proper use of sleepers to avoid contamination with mud / soil etc. Steel shall be kept covered at all times to avoid normal rusting discolouration due to exposure to atmosphere. Use of scaled reinforcement will not be permitted to be used at site.		
56	All other materials shall be stacked in go-downs, preferably weather tight. Floor shall be firm and stacking shall be in most planned manner as to avoid damage, contamination, warping, obstruction etc.		
57	All go-downs shall be lockable and under strict control of the contractor's representative. The EIC or his representative shall have access at any time to all stores, go-downs, etc. and his guidance and instruction in up keeping shall be followed.		
58	Apart from all items mentioned in the BOQ, the contractor should also consider such items in his scope which have been specified elsewhere in the conditions of contract. Some of these items are listed below for reference:		

Client
Location
Project Name
Basic Rate



Serial No.	Item	Rate (.../Unit)
1	Cement	...../ Bag
2	RMC Grade M10	...../ Cum
3	RMC Grade M30	...../ Cum
4	TOR Steel	...../ MT
5	Structural Steel	...../MT
6	Stainless Steel 316	...../- kg
9	Vitrified tile flooring of Restile Make	...../- sq.ft
10	marble	...../- sq.ft
12	Ceramic Tiles	...../- sq.ft
14	Concrete Cobble –	...../- sq.ft
16	Single layer of 6mm calcium silicate board sheet	...../- Sqmt
17	Single layer of 8mm calcium silicate board sheet	...../- Sqmt
18	Single layer of 12mm calcium silicate board sheet	...../- Sqmt

Note:

- 1 Basic rate is landed cost at site including loading, unloading, transport etc.