

KAKINADA SMART CITY CORPORATION LIMITED

National Competitive Bidding

REQUEST FOR PROPOSAL (RFP)

RFP No. KSCCL/Market Yards/2017

Country: INDIA

Name of the Work- Re-Development with additional facilities to
a. Pedda Market b. Kotta peta & c. Gandhinagar Markets

VOLUME - I/II - ANNEXURE - I

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Managing Director
M/s KSCCL,
Kakinada-533001

Financial Bid – Part-2

Detailed Bill of Quantities (BOQs)

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A. Financial Bid – Part-2 BoQs

KAKINADA MUNICIPAL CORPORATION					
Bill of Quantities for the work					
1. Development of PEDDA MARKET, Kakinada, East Godavari Dist.					
Item no.	Item Description.	Unit	Rate	Qty	Amount
100:	NEW BOUNDARY WALL.				
100-1	Earth work excavation for foundations (Manual Means) of building foundations, footings, walls, sump, compound wall in ordinary soils and depositing on bank with an initial lead of 10m and depth up to 3m including all operational, incidental, labour charges such as shoring, sheeting, planking, strutting etc., as per GFC drawings issued by the Employer and overheads & contractors profit complete for finished item of work excluding dewatering charges etc., as per SS 20 B(APSS 308)	Cum		60.00	
100-2	Filling sand under foundation concrete including cost and conveyance of sand from approved source and labour charges for sectioning, ramming, watering and compacting etc., complete for finished item of work.	Cum		7.00	
100-3	Plain Cement Concrete (1:4:8) (cement: fine aggregate: Coarse aggregate) for foundations and under flooring bed using coarse aggregate 40mm size hard , machine crushed granite from approved quarry	Cum		11.00	

	including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. as per GFC drawings issued by the Employer to site, including sales & other taxes on all materials and including all charges for machine mixing, laying concrete in foundations and under flooring bed of 0.1m layer ramming finishing top surface to the required level curing etc., and overheads & contractors profit complete for finished item of work. (APSS No. 402)				
100-4	Supply and placing of M-25 grade Design Mix Concrete corresponding to IS 456 using batching plant at 20 Cum per hour, transit mixer 4cum capacity with 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including Adjustable Jack screw Props and Acro span HIRE CHARGES FOR CENTERING & SCAFFOLDING cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site, and excluding seignior age charges, sales & other taxes on all materials including all operational, incidental and labour charges such as machine mixing, laying concrete, curing etc., complete including Adjustable Jack screw Props and Acro span HIRE CHARGES FOR CENTERING & SCAFFOLDING but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402)				
	(a) Footings	Cum		18.00	
	(b) Columns	Cum		7.00	
	(c) Roof beam & Slab	Cum		25.00	

100-5	Supply and construction of Brick masonry 230 mm thick for walls in super structure, foundation with cement mortar (1:6) prop (Cement:sand) using Second class Bricks 23 x 11 x 7 cm from approved source having minimum crushing strength of not less than 3.5 N/sq.mm. including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of all incidental and operational, labour charges like mixing cement mortar, scaffolding charges, constructing masonry, lift charges, curing etc., complete for finished item of work as per APSS 504.	Cum		65.00	
100-6	Providing High Yield Strength Deformed (HYSD) bars (Fe 415 grade as per IS 1786-1979) of different diameters for RCC works, including labour charges for straightening, cutting, bending to required sizes and shapes, placing in position with cover blocks of approved materials and size and tying and lap-splicing with binding wire of 18 SWG, forming grills for reinforcement work as per approved designs and drawings, including cost and conveyance of steel bars, including all wastages such as overlaps, couplings, chairs, spacer bars including cost and conveyance of binding wire, cover blocks and all incidental, operational, labour charges such as cutting, bending, placing in position, tying including sales and other taxes on all materials etc. complete for finished item of work in all floors (APSS No:126)	Kg		5000.00	
100-7	Plastering 20 mm thick in two coats with base coat of 16mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) with dubara sponge finishing including cost and conveyance of all	Sqm		635.00	

	materials like cement, sand, water etc., to site, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, scaffolding, lift charges, curing, including cutting Grooves as directed by Engineer - in - charge etc., complete for External Surfaces of Brick Wall and RCC exposed faces for finished item of work. (SS 901,903 & 904) and as per GFC drawings issued by the Employer.				
100-8	Painting to new walls with 2 coats of plastic emulsion paint of approved brand and shade over a base coat of approved cement primer grade I making making 3 coats in all to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc. complete for finished item of work as per SS 912 for external walls for:-External Colouring - Plastic emulsion paint - 3 Coats	Sqm		635.00	
100-9	Supply delivery and fixing in position of MS Iron grills of any design approved by the departmental authorities using required sizes of M.S. materials including all cost, conveyance of materials and all labour charges for cutting, bending to required shape, welding including cost of welding rods, grinding etc., complete with all taxes etc., complete for finished item of work.	Kg		4752.00	
100-10	Painting to new iron work with grade-I synthetic enamel paint of approved colour and shade over a base coat of	Sqm.		600.00	

	approved primer grad making 3 coats in all to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc. complete for finished item of work as per SS 912 for external walls for:- External Colouring - Plastic emulsion paint - 3 Coats				
100-11	Ornamental features to the compound wall as directed by the departmental officers including cost, conveyance of all materials and labour charges for all operations etc., complete for finished item of work.	Sqm		528.00	
200	MARKET SHEDS:				
200-1	Dismantling of existing structures like masonry, C.C., R.C.C. work including T&P and scaffolding wherever necessary sorting the dismantling material disposal of unserviceable material and stacking the serviceable materials with all leads and lifts etc., complete.	Cum		148.56	
200-2	Earth work excavation for foundations (Manual Means) of building foundations, footings, walls, sump, compound wall in ordinary soils and depositing on bank with an initial lead of 10m and depth up to 3m including all operational, incidental, labour charges such as shoring, sheeting, planking, strutting etc., as per GFC drawings issued by the Employer and overheads & contractors profit complete for finished item of work excluding dewatering charges etc., as per SS 20 B(APSS 308)	Cum		100.00	

200-3	Filling sand under foundation concrete including cost and conveyance of sand from approved source and labour charges for sectioning, ramming, watering and compacting etc., complete for finished item of work.	Cum		12.17	
200-4	Plain Cement Concrete (1:4:8) (cement: fine aggregate: Coarse aggregate) for foundations and under flooring bed using coarse aggregate 40mm size hard , machine crushed granite from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. as per GFC drawings issued by the Employer to site, including sales & other taxes on all materials and including all charges for machine mixing, laying concrete in foundations and under flooring bed of 0.1m layer ramming finishing top surface to the required level curing etc., and overheads & contractors profit etc. complete for finished item of work. (APSS No. 402)	Cum		241.43	

200-5	<p>Supply and placing of M-25 grade Design Mix Concrete corresponding to IS 456 using batching plant at 20 Cum per hour, transit mixer 4cum capacity with 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including Adjustable Jack screw Props and Acro span HIRE CHARGES FOR CENTERING & SCAFFOLDING cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site, and excluding seignior age charges, sales & other taxes on all materials including all operational, incidental and labour charges such as machine mixing, laying concrete, curing etc., complete including Adjustable</p> <p>Jack screw Props and Acro span HIRE CHARGES FOR CENTERING & SCAFFOLDING but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402)</p>				
	(a) Footings	Cum		25.66	
	(b) Columns	Cum		18.20	
	(c) Roof beam & Slab	Cum		67.59	
200-6	<p>Providing High Yield Strength Deformed (HYSD) bars (Fe 415 grade as per IS 1786-1979) of different diameters for RCC works, including labour charges for straightening, cutting, bending to required sizes and shapes, placing in position with cover blocks of approved materials and size and tying and lap-splicing with binding wire of 18 SWG, forming grills for reinforcement work as per approved designs and drawings, including cost and conveyance of steel bars, including all wastages such as</p>	Kg		9897.58	

	overlaps, couplings, chairs, spacer bars including cost and conveyance of binding wire, cover blocks and all incidental, operational, labour charges such as cutting, bending, placing in position, tying including sales and other taxes on all materials etc. complete for finished item of work in all floors (APSS No:126)				
200-7	Supply and construction of Brick masonry 230 mm thick for walls in super structure, foundation with cement mortar (1:6) prop (Cement: sand) using Second class Bricks 23 x 11 x 7 cm from approved source having minimum crushing strength of not less than 3.5 N/sq.mm. including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of all incidental and operational, labour charges like mixing cement mortar, scaffolding charges, constructing masonry, lift charges, curing etc., complete for finished item of work as per APSS 504.	Cum		98.00	
200-8	Supply and fixing of Non-skid Ceramic Tiles flooring of approved colour and size as directed by the Engineer and as per the GFC drawing given by the Employer in 15mm thickness cement mortar (1:5) including neat cement slurry of honey like consistency spread @ 3.3 kgs per sqm & jointed with neat cement to full depth mixed with pigment of matching shade including cost of all materials like cement, sand water and tiles etc., complete, including Seigniorage charges, complete for finished item of work.	Sqm		708.00	

200-9	Plastering 20 mm thick in two coats with base coat of 16mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) with dubra sponge finishing including cost and conveyance of all materials like cement, sand, water etc., to site, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, scaffolding, lift charges, curing, including cutting Grooves as directed by Engineer - in - charge etc., complete for External Surfaces of Brick Wall and RCC exposed faces for finished item of work. (SS 901,903 & 904) and as per GFC drawings issued by the Employer.	Sqm		411.20	
200-10	Providing Altek luppum (NCL) for new walls with two coats of Altek Luppam over primer coat and applying two coats of plastic emulsion paint over a coat of primer(total 5 coats) of approved brand and shade asian co. including through brushing of the surface to remove all dirt and remaining loose particles, cost and conveyance of all materials labour charges etc complete for finished item of work for all heights.	Sqm		411.20	
200-11	Painting to new walls with two coats of synthetic enamel paint over a coat of primer of approved brand and shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc., as per GFC drawings issued by the Employer complete for finished item work as per SS for external walls	Sqm		411.20	

200-12	Supply and fixing of Vitrified Tiles flooring 600x600mm of approved colour and make as directed by the Engineer and as per the GFC drawing given by the Employer in 15mm thickness cement mortar (1:5) including neat cement slurry of honey like consistency spread @ 3.3 kgs per sqm & jointed with neat cement to full depth mixed with pigment of matching shade including cost of all materials like cement, sand water and tiles etc., complete, including Seigniorage charges, complete for finished item of work.	Sqm		177.60	
200-13	Supply & fixing of 16 to 18mm thick high polished granite stone slabs other than black and regular colours (i.e. of shades like paradiso / bala flower / copper silk / laka red / lavender blue) with borders and design as per the pattern approved by the Engineer-in-Charge of length not less than 2.43 mts set over base coat of cement mortar (1:8) , 20mm thick using screened sand including neat grey cement slurry of honey like consistency spread @ 3.3 Kg per sqm and jointed neatly with white cement paste mixed with pigment of matching shade to full depth including cost and conveyance of all materials like cement , sand , water , granite slabs etc., to work site and all operational, incidental labour & lift charges, polishing charges and all other taxes on all materials, cost of base coat and overheads & contractors profit complete for finished item of work (S.S.701 & special)	Sqm		108.75	
200-14	Charges for moulding of 16 to 18mm thick high polished granite stone without any damage including charges for cutting, rubbing, finishing and labour charges etc... complete as	Rmt		364.00	

	directed by the department engineers				
200-15	Providing and fixing Mangalore tile roofing above sloped roofs as directed by the Engineer and as per the GFC drawing given by the Employer including cost of all materials like cement, sand water and tiles etc., complete, including Seigniorage charges, complete for finished item of work.	Sqm		388.00	
300.	PATHWAYS				
300-1	Filling sand under foundation concrete including cost and conveyance of sand from approved source and labour charges for sectioning, ramming, watering and compacting etc., complete for finished item of work.	Cum.		158.00	
300-2	Plain Cement Concrete (1:4:8) (cement: fine aggregate: Coarse aggregate) for foundations and under flooring bed using coarse aggregate 40mm size hard , machine crushed granite from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. as per GFC drawings issued by the Employer to site, including sales & other taxes on all materials and including all charges for machine mixing, laying concrete in foundations and under flooring bed of 0.1m layer ramming finishing top surface to the required level curing etc., and overheads & contractors profit etc., complete for finished item of work. (APSS No. 402.,	Cum.		188.70	
300-3	Supply, delivery and fixing precast C.C. Paver concrete blocks for paving	Sqm.		1878.00d	

	of M-30 grade and thickness not less than 50 mm for Non-traffic areas conforming to IS 15658:2006 in all shapes and designs as per the manufacturer's specification including Seigniorage charges, sales & other taxes on all materials complete for finished item of work as per GFC drawings issued by the Employer.				
300-4	Supply delivery and fixing in position of M.S iron grills of any design approved by the departmental authorities using required sizes os ms materials including all cost and conveyance of materials and all labour charges for cutting, bending to required shape welding including cost of welding rods grinding etc complete with all taxes etc., complete finished item of work.	Kgs.		900.00	
400:	DEVELOPMENT OF EXISTING BLOCKS				
400-1	Plastering 20 mm thick in two coats with base coat of 16mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) with dubara sponge finishing including cost and conveyance of all materials like cement, sand, water etc., to site, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, scaffolding, lift charges, curing, including cutting Grooves as directed by Engineer - in - charge etc., complete for External Surfaces of Brick Wall and RCC exposed faces for finished item of work. (SS 901,903 & 904) and as per GFC drawings issued by the Employer.	Sqm		10740.00	

400-2	Supply and fixing of Vitrified Tiles flooring 600x600mm of approved colour and make as directed by the Engineer and as per the GFC drawing given by the Employer in 15mm thickness cement mortar (1:5) including neat cement slurry of honey like consistency spread @ 3.3 kgs per sqm & jointed with neat cement to full depth mixed with pigment of matching shade including cost of all materials like cement, sand water and tiles etc., complete, including Seigniorage charges, complete for finished item of work.	Sqm		4868.30	
400-3	Providing Altek luppum (NCL) for new walls with two coats of Altek Luppam over primer coat and applying two coats of plastic emulsion paint over a coat of primer(total 5 coats) of approved brand and shade asin co. including through brushing of the surface to remove all dirt and remaining loose particles, cost and conveyance of all materials labour charges etc complete for finished item of work for all heights.	Sqm		1410.00	
400-4	Painting to new walls with 2 coats of plastic emulsion paint of approved brand and shade over a base coat of approved cement primer grade I making 3 coats in all to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc. complete for finished item of work as per SS 912 for external walls for:- External Colouring - Plastic emulsion paint - 3 Coats	Sqm		1410.00	
500:	WATER SUPPLY & DRAINAGE SYSTEM				

500-1	Earth work excavation for foundations (Manual Means) of building foundations, footings, walls, sump, compound wall in ordinary soils and depositing on bank with an initial lead of 10m and depth up to 3m including all operational, incidental, labour charges such as shoring, sheeting, planking, strutting etc., as per GFC drawings issued by the Employer and overheads & contractors profit complete for finished item of work excluding dewatering charges etc., as per SS 20 B(APSS 308)	Cum		65.85	
500-2	Filling sand under foundation concrete including cost and conveyance of sand from approved source and labour charges for sectioning, ramming, watering and compacting etc., complete for finished item of work.	Cum		165.16	
500-3	Plain Cement Concrete (1:4:8) (cement: fine aggregate: Coarse aggregate) for foundations and under flooring bed using coarse aggregate 40mm size hard , machine crushed granite from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. as per GFC drawings issued by the Employer to site, including sales & other taxes on all materials and including all charges for machine mixing, laying concrete in foundations and under flooring bed of 0.1m layer ramming finishing top surface to the required level curing etc., and overheads & contractors profit complete for finished item of work. (APSS No. 402).	Cum		29.90	
500-4	Supply and placing of M-25 grade Design Mix Concrete corresponding to IS 456 using batching plant at 20 Cum per hour, transit mixer 4cum				

	capacity with 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including Adjustable Jack screw Props and Acro span HIRE CHARGES FOR CENTERING & SCAFFOLDING cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site, and excluding seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as machine mixing, laying concrete, curing etc., complete including Adjustable Jack screw Props and Acro span HIRE CHARGES FOR CENTERING & SCAFFOLDING but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402)				
	(a) Footings	Cum		0.68	
	(b) Columns	Cum		0.42	
	(c) Roof beam & Slab	Cum		0.71	
500-5	Providing High Yield Strength Deformed (HYSD) bars (Fe 415 grade as per IS 1786-1979) of different diameters for RCC works, including labour charges for straightening, cutting, bending to required sizes and shapes, placing in position with cover blocks of approved materials and size and tying and lap-splicing with binding wire of 18 SWG, forming grills for reinforcement work as per approved designs and drawings, including cost and conveyance of steel bars, including all wastages such as overlaps, couplings, chairs, spacer bars including cost and conveyance of binding wire, cover blocks and all incidental, operational, labour charges such as cutting, bending, placing in	Kg		147.61	

	position, tying including sales and other taxes on all materials etc. complete for finished item of work in all floors (APSS No:126)				
500-6	Plastering 20 mm thick in two coats with base coat of 16mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) with dubara sponge finishing including cost and conveyance of all materials like cement, sand, water etc., to site, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, scaffolding, lift charges, curing, including cutting Grooves as directed by Engineer - in - charge etc., complete for External Surfaces of Brick Wall and RCC exposed faces for finished item of work. (SS 901,903 & 904) and as per GFC drawings issued by the Employer.	Sqm		145.90	
500-7	Painting to new walls with 2 coats of plastic emulsion paint of approved brand and shade over a base coat of approved cement primer grade I making 3 coats in all to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc. complete for finished item of work as per SS 912 for external walls for:- External Colouring - Plastic emulsion paint - 3 Coats	Sqm		13.90	
500-8	Supply delivery and fixing in position of M S Iron grills of any design approved by the departmental authorities using required sizes of M S materials including all cost, conveyance of material and all labour	Kgs		841.00	

	charges for cutting, bending to required shape, welding including cost of welding rods, grinding etc. complete with all taxes etc. complete finished item of work.				
500-9	Supply and Transportation of 3.00HP 20-23 Stage, 3 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / KSB / Aryan Varsha / Lubi.	Job		1.00	
500-10	Providing 100mm dia deep bores well and ground level system water storage tank including cost and conveyance of all materials and with PVC casing pipe with necessary fixtures and labour charges for all operations as per the standards described by the departmental officers etc., complete	Rmt		100.00	
500-11	Supply of polyethylene storage tank double layer conforming to IS:12701-1996 with lid	Lts		2000.00	
500-12	Supplying and fixing NP bib taps of size 12.70mm dia of Indian make Seiko or equivalent including cost and conveyance of all materials, labour charges etc., complete for finished item of work in all floors. 300gm	Nos.		110.00	
500-13	Supply and fixing of CP Jollies of approved make on wall including cost & conveyance charges all materials etc., completed for finished of item	Nos.		110.00	

500-14	Supplying and fixing of SWR/PVC pipes (as per ISI standards) 4 Kg/sqm Prince/sudhakar or any ISI brand and fixing all special such as plain bends, off sets, door bends, single junctions, double junctions as per site requirement, fixing with PVC clamps if necessary with required number of Bombay nails including cost and conveyance of all materials to site, labour charges etc., complete for finished item of work at all floor levels (APSS No.1302, 1319 & 1326)				
	110 mm Dia	Rmt		295.00	
	150 mm Dia	Rmt		150.00	
500-15	Supplying and fixing PPR Ball valve as per ISI Class - I , Indian make heavy type including cost and conveyance of all materials , labour charges etc. complete for finished item of work.	Nos		5.00	
500-16	Supplying & fixing Ashirvad/Astral flow guard for equivalent CPVC Pipes with fittings in ground or on wall including cost of tees, elbows, bends, reducers, couplings, running joints, union flanges, unions etc. with necessary excavation in all types of soils except rock requiring blasting, refilling, chiselling masonry walls and making good the walls & floors to the original surface and fixing MS clamps on TW blocks on walls including cost and conveyance of all materials and labour charges complete for finished item of work.				
	16 mm Dia	Rmt		371.00	
	28 mm Dia	Rmt		180.00	

	40mm Dia	Rmt		70.00	
600:	ELECTRIFICATION				
600-1	Fabrication and Supply of 4.0 Mt Height G.R,P. Poles for garden posts with as per manufacturer specification with base and suitable pole cap including cost and conveyance of all material including fixing of luminaire and labour charges etc., complete	Nos.		36.00	
600-2	Supply of different sizes of M. S. Pipe brackets (Rate per K.G)	Kgs.		38.00	
600-3	Supply and transportation of 18W to 20W street light luminaire made of pressure die cast aluminium body with powder coated, having toughened glass cover input voltage range of 100 to 270 volts AC, power factor > 0.90, high power LED's having efficacy 100 Luminas/watt and junction temperature < 85 degree centigrade of IP 65 with optics, total harmonic distortion less than 15% at 110 Volts AC, driver efficiency >90% etc., complete. a) LUMINAIRE MAKE : Surya / MIC / BLU / KRIPA Lights / Fortune Art / SEMTRONICS / perlite. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.	Nos.		36.00	
600-4	Fabrication and Supply of 10watts LED Lamps for Gates with as per manufacturer specification with base and suitable pole cap including cost and conveyance of all material including fixing of luminaire and labour charges etc., complete.	Nos		4.00	

600-5	Supply and installation of Stall lighting with 12watt LED Bulb-B 22 Base, VSP (Voltage surge Protection) up to 2.5kv) etc.. Complete a) LUMINAIRE MAKE: Surya / MIC / BLU / KRIPA Lights / Fortune Art / SEMTRONICS / perlite. b) LED MAKE: PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.	Nos		104.00	
600-6	Supply and run of 2 of 14 /0.3mm (1.0 Sq.mm) FR P.V.C. insulated flexible copper cable in existing pipe for earth continuity including Cost and Conveyance of all the materials and all labour charges etc., complete.	Rmt		2000.00	
600-7	Supply of 10 Sqm 4 core XLPE insulated,1100V grade Armoured Aluminium Cable as per specification confirming to IS:7098 (part-1) of makes polycab / KEI / RPG /Finolex /Havells /Paragon / V-Guard / Fortune Art / Gloster /Suncab.	Rmt		300.00	
600-8	Fabrication and erection of 18 SWG CRCA sheet steel enclosure for power control cubicle panel / boxes etc.including cutting, bending drilling, welding and revetingetc.,complete with cleaning with 7 tank process and painting with powder coating including cost and conveyance of all materials and labour charges.(Box size-6"X4"X5")	Nos		4.00	
600-9	Supply and fixing suitable feeder pillar box mad with 14 SWG CRCA sheet including S & F of legrand /Schnieder/siemens/ABB/L&T make 40 A TP MCB'S 6 No SP MCB'S bus bar, 6 Sqm 3 core copper cable for individual light control, contractor, suitable timer and connectors and provision for energy meter etc.. Complete for finished item of work.	Nos		4.00	

600-10	Providing independent earthening by excavating a trends to a depth of 2.1 mtrs. In all soils, as per size specified in the data using 40mm dia "B" class GI pipe of 2.5 mtrs. Length with necessary accessories with home pipe ring duly providing staggered holes including filling with equal proportion of salt and charcoal in layers and all labours charges etc., complete for small quarters.	Job		4.00	
600-11	Labour charges for laying of UG cable up to 50 Sq.mm including making necessary connections and laying of sand back filling of trench after laying etc. complete.	Rmt		200.00	
600-12	Supply and fixing of 4way TPN distribution board with IP-42 (MD) Protection suitable for 3 phase ELCB/RCCB/FP Isolator as incomer and 10KA SP MCB's as outgoing including bus bar arrangements (Make : Legrand/Schneider) 40Amps, 4 Pole Isolator / ELCB / RCCB -1 No, 10kA -6-32A SP MCBs-12Nos	Nos		2.00	
600-13	Supply and Transportation of 1x28 /36W recessed/surface mounted box type powder coated energy conserving tube light luminary with electronic ballast operating voltage range of 90V to 350V power factor >0.98 current less than 130ma crest factor and total harmonic distortion shall be as per IS specification with auto cut off at high voltage suitable for 36/40W tube with 5years guarantee for luminaire etc., complete.(Make : Philips/Wipro/Trinic/GE)	Nos		4.00	
600-14	Supplying and fixing of 48" ceiling fan of capacitor type with 1mtr length down-rod, canopy, 3 nos blades of double ball bearing etc., complete with I.S.I standard in high-quality	Nos		1.00	

	material and high speed etc., complete Crompton greaves /Havells				
600-15	Supplying, installation, commissioning and testing CCTV system with High definition C.C cameras, DVR, Display panels, etc with all necessary accessories, wiring complete and including making necessary connections etc. complete all approved makes.	Nos		19.00	
700:	OUT SIDE DOORS & CATTEL TRAPS:				
700-1	Cost and Supply and fabrication of M.S. Cattle trap using 15 Nos of 32mm MS Steel rods welded as equal spacing over 6 Nos of 75 x 40 x 5 mm MS channel and fixing in position on the already laid concrete walls, including all labour charges for welding, transporting and fixing in position, cost of welding rods etc., complete as directed by the Departmental Officers for finished item of work.	Nos		2.00	
700-2	Supply placing of S.S 304 make twin dust bins of each dia 500mm and depth of 900mm as per the clients drawing etc., complete.	Nos		20.00	
700-3	Providing and placing Sign boards made with S.S. Sheets including cost and conveyance of S.S. Sheets and labour charges for all operations such as cutting dthe S.S Sheet properly and stickering the matter as specified by the departmental officers etc., complete for finished item of work.	Nos		5.00	
800:	DEVELOPMENT OF EXISTING TOILETS:				

800-1	Supply and construction of Brick masonry 230 mm thick for walls in super structure, foundation with cement mortar (1:6) prop (Cement : sand) using Second class Bricks 23 x 11 x 7 cm from approved source having minimum crushing strength of not less than 3.5 N/sq.mm. including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of all incidental and operational, labour charges like mixing cement mortar, scaffolding charges, constructing masonry, lift charges, curing etc., complete for finished item of work as per APSS 504.	Cum		10.00	
800-2	Plastering with CM (1:4) 12 mm thick including cost and conveyance of all materials like cement, sand, water etc., to site, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, scaffolding, lift charges, curing, including cutting Grooves as directed by Engineer - in - charge etc., complete.	Sqm		200.00	
800-3	Supply and fixing of Non-skid Ceramic Tiles flooring of approved colour and size as directed by the Engineer and as per the GFC drawing given by the Employer in 15mm thickness cement mortar (1:5) including neat cement slurry of honey like consistency spread @ 3.3 kgs per sqm & jointed with neat cement to full depth mixed with pigment of matching shade including cost of all materials like cement, sand water and tiles etc., complete, including Seigniorage charges, complete for finished item of work.	Sqm		100.00	

800-4	Providing Altek luppum (NCL) for new walls with two coats of Altek Luppam over primer coat and applying two coats of plastic emulsion paint over a coat of primer(total 5 coats) of approved brand and shade asian co. including through brushing of the surface to remove all dirt and remaining loose particles, cost and conveyance of all materials labour charges etc complete for finished item of work for all heights.	Sqm		200.00	
800-5	Painting to walls with 2 coats of plastic emulsion paint of approved brand and shade over a base coat of approved cement primer grade I making making 3 coats in all to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc. complete for finished item of work as per SS 912 for external walls for:-External Colouring - Plastic emulsion paint - 3 Coats	Sqm		200.00	
800-6	Providing and fixing factory made polyvinyl chloride (PVC) door frame of the size 50 x 47mm with a wall thickness of 5mm, made out of extruded 10mm rigid PVC foam sheet, mitre cut at two corners and joined with 2 nos of 150mm long brackets of 15x15mm M.S. Square type, The two vertical door profiles are to be reinforced with 19x19mm M.S. Square tube of 19 gauge. The door frame shall be fixed to the wall using 65/100mm long M.S. Screws through the frame by using PVC fasteners. A minimum 4 nos of screws to be provided for each vertical member & minimum 2 nos horizontal	Rmt		50.00	

	member etc., complete as per manufacturers specification and direction of Engineer-in-charge for finished item of work.				
800-7	Providing and fixing 30mm thick Solid panel PVC door shutter consisting of frame made out of M.S. Tubes of 19 gauge thickness and size of 19mm x 19mm for stiles, & 15mm x 15mm for top & bottom rails M.S, frame have a coat of steel primers of approved make and manufacture M.S. frame shall be covered with 5mm thick, 75mm wide PVC sheets for top rail, lock rail & bottom rail on either side, and 10mm (5mm x 2)thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail. Panelling of 5mm thick PVC Sheet to be fitted in the M.S. frame welded/sealed to the stiles & rails with 30mm wide x 5mm thick PVC sheet beading on either side, and joined together with solvent cement adhesive etc., an additional 5mm thick PVC strip of 20mm width is to be stuck on the interior side of the "C" Channel using PVC solvent adhesive. Complete as per direction of Engineer-in-Charge, manufacturers specification & drawing for finished item of work.	Sqm		20.00	
900:	SECURITY ROOM:				
900-1	Earth work excavation for foundations (Manual Means) of building foundations, footings, walls, sump, compound wall in ordinary soils and depositing on bank with an initial lead of 10m and depth up to 3m including all operational, incidental, labour charges such as shoring, sheeting, planking, strutting etc., as per GFC drawings issued by the Employer and overheads & contractors profit	Cum		4.00	

	complete for finished item of work excluding dewatering charges etc., as per SS 20 B(APSS 308)				
900-2	Filling sand under foundation concrete including cost and conveyance of sand from approved source and labour charges for sectioning, ramming, watering and compacting etc., complete for finished item of work.	Cum		1.00	
900-3	Plain Cement Concrete (1:4:8) (cement: fine aggregate: Coarse aggregate) for foundations and under flooring bed using coarse aggregate 40mm size hard , machine crushed granite from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. as per GFC drawings issued by the Employer to site, including sales & other taxes on all materials and including all charges for machine mixing, laying concrete in foundations and under flooring bed of 0.1m layer ramming finishing top surface to the required level curing etc., and overheads & contractors profit complete for finished item of work. (APSS No. 402)	Cum		0.50	
900-4	Providing High Yield Strength Deformed (HYSD) bars (Fe 415 grade as per IS 1786-1979) of different diameters for RCC works, including labour charges for straightening, cutting, bending to required sizes and shapes, placing in position with cover blocks of approved materials and size and tying and lap-splicing with binding	Kgs		650.00	

	wire of 18 SWG, forming grills for reinforcement work as per approved designs and drawings, including cost and conveyance of steel bars, including all wastages such as overlaps, couplings, chairs, spacer bars including cost and conveyance of binding wire, cover blocks and all incidental, operational, labour charges such as cutting, bending, placing in position, tying including sales and other taxes on all materials etc. complete for finished item of work in all floors (APSS No:126)				
900-5	Supply and placing of M-25 grade Design Mix Concrete corresponding to IS 456 using batching plant at 20 Cum per hour, transit mixer 4cum capacity with 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including Adjustable Jack screw Props and Acro span HIRE CHARGES FOR CENTERING & SCAFFOLDING cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site, and excluding seignior age charges, sales & other taxes on all materials including all operational, incidental and labour charges such as machine mixing, laying concrete, curing etc., complete including Adjustable Jack screw Props and Acro span HIRE CHARGES FOR CENTERING & SCAFFOLDING but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) For Plinth beam & slab	Cum		1.95	
900-6	Supply and construction of Brick masonry 230 mm thick for walls in super structure, foundation with cement mortar (1:6) prop (Cement: sand) using Second class Bricks 23 x	Cum		7.45	

	11 x 7 cm from approved source having minimum crushing strength of not less than 3.5 N/sq.mm. including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of all incidental and operational, labour charges like mixing cement mortar, scaffolding charges, constructing masonry, lift charges, curing etc., complete for finished item of work as per APSS 504.				
900-7	Plastering 20 mm thick in two coats with base coat of 16mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) with dubara sponge finishing including cost and conveyance of all materials like cement, sand, water etc., to site, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, scaffolding, lift charges, curing, including cutting Grooves as directed by Engineer - in - charge etc., complete for External Surfaces of Brick Wall and RCC exposed faces for finished item of work. (SS 901,903 & 904) and as per GFC drawings issued by the Employer.	Cum		7.45	
900-8	Painting to new walls with 2 coats of plastic emulsion paint of approved brand and shade over a base coat of approved cement primer grade I making 3 coats in all to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc. complete for finished item of work as per SS 912 for external walls for:- External Colouring - Plastic emulsion	Sqm		43.00	

	paint - 3 Coats				
	Total Amount Rs.				
	Amount in words.....				

KAKINADA MUNICIPAL CORPORATION**Bill of Quantities for the work****2. Development of KOTHAPETA MARKET, Kakinada, East Godavari Dist.**

Item no.	Item Description.	Unit	Rate	Qty	Amount
100:	NEW BOUNDARY WALL.				
100-1	Earth work excavation for foundations (Manual Means) of building foundations, footings, walls, sump, compound wall in ordinary soils and depositing on bank with an initial lead of 10m and depth up to 3m including all operational, incidental, labour charges such as shoring, sheeting, planking, strutting etc., as per GFC drawings issued by the Employer and overheads & contractors profit complete for finished item of work excluding dewatering charges etc., as per SS 20 B(APSS 308)	Cum		50.00	
100-2	Filling sand under foundation concrete including cost and conveyance of sand from approved source and labour charges for sectioning, ramming, watering and compacting etc., complete for finished item of work.	Cum		5.00	
100-3	Plain Cement Concrete (1:4:8) (cement: fine aggregate: Coarse aggregate) for foundations and under flooring bed using coarse aggregate 40mm size hard , machine crushed granite from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. as per GFC drawings issued by the Employer to site, including sales & other taxes on all materials and including all charges for	Cum		9.00	

	machine mixing, laying concrete in foundations and under flooring bed of 0.1m layer ramming finishing top surface to the required level curing etc., and overheads & contractors profit complete for finished item of work. (APSS No. 402)				
100-4	Supply and placing of M-25 grade Design Mix Concrete corresponding to IS 456 using batching plant at 20 Cum per hour, transit mixer 4cum capacity with 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including Adjustable Jack screw Props and Acro span HIRE CHARGES FOR CENTERING & SCAFFOLDING cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site, and excluding seignior age charges, sales & other taxes on all materials including all operational, incidental and labour charges such as machine mixing, laying concrete, curing etc., complete including Adjustable Jack screw Props and Acro span HIRE CHARGES FOR CENTERING & SCAFFOLDING but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402)				
	(a) Footings	Cum		15.00	
	(b) Columns	Cum		6.00	
	(c) Roof beam & Slab	Cum		20.98	
100-5	Providing High Yield Strength Deformed (HYSD) bars (Fe 415 grade as per IS 1786-1979) of different diameters for RCC works, including labour charges for straightening, cutting, bending to required sizes and shapes, placing in position with cover blocks of approved materials and size and tying and lap-splicing with binding wire of 18 SWG, forming grills for	Kg.		4200.00	

	reinforcement work as per approved designs and drawings, including cost and conveyance of steel bars, including all wastages such as overlaps, couplings, chairs, spacer bars including cost and conveyance of binding wire, cover blocks and all incidental, operational, labour charges such as cutting, bending, placing in position, tying including sales and other taxes on all materials etc. complete for finished item of work in all floors (APSS No:126)				
100-6	Supply and construction of Brick masonry 230 mm thick for walls in super structure, foundation with cement mortar (1:6) prop (Cement: sand) using Second class Bricks 23 x 11 x 7 cm from approved source having minimum crushing strength of not less than 3.5 N/sq.mm. including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of all incidental and operational, labour charges like mixing cement mortar, scaffolding charges, constructing masonry, lift charges, curing etc., complete for finished item of work as per APSS 504.	Cum		60.00	
100-7	Plastering 20 mm thick in two coats with base coat of 16mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) with dubara sponge finishing including cost and conveyance of all materials like cement, sand, water etc., to site, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, scaffolding, lift charges, curing, including cutting Grooves as directed by Engineer - in - charge etc., complete for External Surfaces of Brick Wall and RCC exposed faces for finished item of work. (SS 901,903 & 904) and as per GFC drawings issued by the Employer.	Sqm		550.00	

100-8	Painting to new walls with 2 coats of plastic emulsion paint of approved brand and shade over a base coat of approved cement primer grade I making 3 coats in all to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc. complete for finished item of work as per SS 912 for external walls for:-External Colouring - Plastic emulsion paint - 3 Coats	Sqm		550.00	
100-9	Supply delivery and fixing in position of MS Iron grills of any design approved by the departmental authorities using required sizes of M.S. materials including all cost, conveyance of materials and all labour charges for cutting, bending to required shape, welding including cost of welding rods, grinding etc., complete with all taxes etc., complete for finished item of work.	Kg		4200.00	
100-10	Painting to new iron work with grade-I synthetic enamel paint of approved colour and shade over a base coat of approved primer grad making 3 coats in all to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc. complete for finished item of work as per SS 912 for external walls for:-External Colouring - Plastic emulsion paint - 3 Coats	Sqm.		530.00	
100-11	Ornamental features to the compound wall as directed by the departmental officers including cost, conveyance of all materials and labour charges for all operations etc., complete for finished item of work.	Sqm		500.00	

200-		MARKET SHEDS:			
200-1	Dismantling of existing structures like masonry, C.C., R.C.C. work including T&P and scaffolding wherever necessary sorting the dismantling material disposal of unserviceable material and stacking the serviceable materials with all leads and lifts etc., complete.	Cum		200.00	
200-2	Earth work excavation for foundations (Manual Means) of building foundations, footings, walls, sump, compound wall in ordinary soils and depositing on bank with an initial lead of 10m and depth up to 3m including all operational, incidental, labour charges such as shoring, sheeting, planking, strutting etc., as per GFC drawings issued by the Employer and overheads & contractors profit complete for finished item of work excluding dewatering charges etc., as per SS 20 B(APSS 308)	Cum		150.00	
200-3	Filling sand under foundation concrete including cost and conveyance of sand from approved source and labour charges for sectioning, ramming, watering and compacting etc., complete for finished item of work.	Cum		16.00	
200-4	Plain Cement Concrete (1:4:8) (cement: fine aggregate: Coarse aggregate) for foundations and under flooring bed using coarse aggregate 40mm size hard , machine crushed granite from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. as per GFC drawings issued by the Employer to site, including sales & other taxes on all materials and including all charges for machine mixing, laying concrete in foundations and under flooring bed of 0.1m layer ramming finishing top surface to the required level curing etc., and overheads & contractors profit etc.	Cum		227.00	

	complete for finished item of work. (APSS No. 402)				
200-5	<p>Supply and placing of M-25 grade Design Mix Concrete corresponding to IS 456 using batching plant at 20 Cum per hour, transit mixer 4cum capacity with 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including Adjustable Jack screw Props and Acro span HIRE CHARGES FOR CENTERING & SCAFFOLDING cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site, and excluding seignior age charges, sales & other taxes on all materials including all operational, incidental and labour charges such as machine mixing, laying concrete, curing etc., complete including Adjustable</p> <p>Jack screw Props and Acro span HIRE CHARGES FOR CENTERING & SCAFFOLDING but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402)</p>				
	(a) Footings & Plinth beam	Cum		32.00	
	(b) Columns	Cum		23.00	

	(c) Roof beam & Slab	Cum		85.00	
200-6	Providing High Yield Strength Deformed (HYSD) bars (Fe 415 grade as per IS 1786-1979) of different diameters for RCC works, including labour charges for straightening, cutting, bending to required sizes and shapes, placing in position with cover blocks of approved materials and size and tying and lap-splicing with binding wire of 18 SWG, forming grills for reinforcement work as per approved designs and drawings, including cost and conveyance of steel bars, including all wastages such as overlaps, couplings, chairs, spacer bars including cost and conveyance of binding wire, cover blocks and all incidental, operational, labour charges such as cutting, bending, placing in position, tying including sales and other taxes on all materials etc. complete for finished item of work in all floors (APSS No:126)	Kg		12400.00	
200-7	Supply and construction of Brick masonry 230 mm thick for walls in super structure, foundation with cement mortar (1:6) prop (Cement: sand) using Second class Bricks 23 x 11 x 7 cm from approved source having minimum crushing strength of not less than 3.5 N/sq.mm. including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of all incidental and operational, labour charges like mixing cement mortar, scaffolding charges, constructing masonry, lift charges, curing etc., complete for finished item of work as per APSS 504.	Cum		140.00	

200-8	Supply and fixing of Non-skid Ceramic Tiles flooring of approved colour and size as directed by the Engineer and as per the GFC drawing given by the Employer in 15mm thickness cement mortar (1:5) including neat cement slurry of honey like consistency spread @ 3.3 kgs per sqm & jointed with neat cement to full depth mixed with pigment of matching shade including cost of all materials like cement, sand water and tiles etc., complete, including Seigniorage charges, complete for finished item of work.	Sqm		930.00	
200-9	Plastering 20 mm thick in two coats with base coat of 16mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) with dubra sponge finishing including cost and conveyance of all materials like cement, sand, water etc., to site, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, scaffolding, lift charges, curing, including cutting Grooves as directed by Engineer - in - charge etc., complete for External Surfaces of Brick Wall and RCC exposed faces for finished item of work. (SS 901,903 & 904) and as per GFC drawings issued by the Employer.	Sqm		520.00	
200-10	Providing Altek luppum (NCL) for new walls with two coats of Altek Luppam over primer coat and applying two coats of plastic emulsion paint over a coat of primer(total 5 coats) of approved brand and shade asian co. including through brushing of the surface to remove all dirt and remaining loose particles, cost and conveyance of all materials labour charges etc complete for finished item of work for all heights.	Sqm		520.00	

200-11	Painting to new walls with two coats of synthetic enamel paint over a coat of primer of approved brand and shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc., as per GFC drawings issued by the Employer complete for finished item work as per SS for external walls	Sqm		520.00	
200-12	Supply and fixing of Vitrified Tiles flooring 600x600mm of approved colour and make as directed by the Engineer and as per the GFC drawing given by the Employer in 15mm thickness cement mortar (1:5) including neat cement slurry of honey like consistency spread @ 3.3 kgs per sqm & jointed with neat cement to full depth mixed with pigment of matching shade including cost of all materials like cement, sand water and tiles etc., complete, including Seigniorage charges, complete for finished item of work.	Sqm		222.00	
200-13	Supply & fixing of 16 to 18mm thick high polished granite stone slabs other than black and regular colours (i.e. of shades like paradiso / bala flower / copper silk / laka red / lavender blue) with borders and design as per the pattern approved by the Engineer-in-Charge of length not less than 2.43 mts set over base coat of cement mortar (1:8) , 20mm thick using screened sand including neat grey cement slurry of honey like consistency spread @ 3.3 Kg per sqm and jointed neatly with white cement paste mixed with pigment of matching shade to full depth including cost and conveyance of all materials like cement , sand , water , granite slabs etc., to work site and all operational, incidental labour & lift charges, polishing charges and all other taxes on all materials, cost of base coat	Sqm		135.00	

	and overheads & contractors profit complete for finished item of work (S.S.701 & special)				
200-14	Charges for moulding of 16 to 18mm thick high polished granite stone without any damage including charges for cutting, rubbing, finishing and labour charges etc... complete as directed by the department engineers	Rmt		455.00	
200-15	Providing and fixing Mangalore tile roofing above sloped roofs as directed by the Engineer and as per the GFC drawing given by the Employer including cost of all materials like cement, sand water and tiles etc., complete, including Seigniorage charges, complete for finished item of work.	Sqm		485.00	
300.	PATHWAYS				
300-1	Filling sand under foundation concrete including cost and conveyance of sand from approved source and labour charges for sectioning, ramming, watering and compacting etc., complete for finished item of work.	Cum		160.00	

300-2	Plain Cement Concrete (1:4:8) (cement: fine aggregate: Coarse aggregate) for foundations and under flooring bed using coarse aggregate 40mm size hard , machine crushed granite from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. as per GFC drawings issued by the Employer to site, including sales & other taxes on all materials and including all charges for machine mixing, laying concrete in foundations and under flooring bed of 0.1m layer ramming finishing top surface to the required level curing etc., and overheads & contractors profit etc. complete for finished item of work. (APSS No. 402)	Cum		160.00	
300-3	Supply, delivery and fixing precast C.C. Paver concrete blocks for paving of M-30 grade and thickness not less than 50 mm for Non-traffic areas conforming to IS 15658:2006 in all shapes and designs as per the manufacturer's specification including Seigniorage charges, sales & other taxes on all materials complete for finished item of work as per GFC drawings issued by the Employer.	Sqm.		1580.00	
300-4	Supply, delivery and fixing of 304 grade polished stainless steel traffic bollards and designs as per the manufacturer's specification including Seigniorage charges, sales & other taxes on all materials complete for finished item of work as per GFC drawings issued by the Employer.	Nos		35.00	
300-5	Supply delivery and fixing in position of M.S iron grills of any design approved by the departmental authorities using required sizes os ms materials including all cost and conveyance of materials and all labour charges for cutting, bending to required shape welding including cost of	Kgs.		1800.00	

	welding rods grinding etc complete with all taxes etc., complete finished item of work.				
400:	DEVELOPMENT OF EXISTING BLOCKS				
400-1	Plastering 20 mm thick in two coats with base coat of 16mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) with dubara sponge finishing including cost and conveyance of all materials like cement, sand, water etc., to site, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, scaffolding, lift charges, curing, including cutting Grooves as directed by Engineer - in - charge etc., complete for External Surfaces of Brick Wall and RCC exposed faces for finished item of work. (SS 901,903 & 904) and as per GFC drawings issued by the Employer.	Sqm		2520.00	
400-2	Supply and fixing of Vitrified Tiles flooring 600x600mm of approved colour and make as directed by the Engineer and as per the GFC drawing given by the Employer in 15mm thickness cement mortar (1:5) including neat cement slurry of honey like consistency spread @ 3.3 kgs per sqm & jointed with neat cement to full depth mixed with pigment of matching shade including cost of all materials like cement, sand water and tiles etc., complete, including Seigniorage charges, complete for finished item of work.	Sqm		1410.00	
400-3	Providing Altek luppum (NCL) for new walls with two coats of Altek Luppam over primer coat and applying two coats of plastic emulsion paint over a coat of primer(total 5 coats) of approved brand and shade asin co. including through brushing of the surface to remove all dirt and remaining loose particles, cost and conveyance of all materials labour	Sqm		2520.00	

	charges etc complete for finished item of work for all heights.				
400-4	Painting to new walls with 2 coats of plastic emulsion paint of approved brand and shade over a base coat of approved cement primer grade I making 3 coats in all to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc. complete for finished item of work as per SS 912 for external walls for:-External Colouring - Plastic emulsion paint - 3 Coats	Sqm		2520.00	
500:	LAND SCAPE				
500-1	Plain Cement Concrete (1:4:8) (cement: fine aggregate: Coarse aggregate) for foundations and under flooring bed using coarse aggregate 40mm size hard , machine crushed granite from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. as per GFC drawings issued by the Employer to site, including sales & other taxes on all materials and including all charges for machine mixing, laying concrete in foundations and under flooring bed of 0.1m layer ramming finishing top surface to the required level curing etc., and overheads & contractors profit complete for finished item of work. (APSS No. 402)	Cum		2.14	
500-2	Supply and construction of Brick masonry 230 mm thick for walls in super structure, foundation with cement mortar (1:6) prop (Cement:sand) using Second class Bricks 23 x 11 x 7 cm from approved source having minimum crushing strength of not less than 3.5 N/sq.mm. including cost and conveyance of all materials like cement,	Cum		13.60	

	sand, bricks, water etc., to site, cost of all incidental and operational, labour charges like mixing cement mortar, scaffolding charges, constructing masonry, lift charges, curing etc., complete for finished item of work as per APSS 504.				
500-3	Plastering 20 mm thick in two coats with base coat of 16mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) with dubara sponge finishing including cost and conveyance of all materials like cement, sand, water etc., to site, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, scaffolding, lift charges, curing, including cutting Grooves as directed by Engineer - in - charge etc., complete for External Surfaces of Brick Wall and RCC exposed faces for finished item of work. (SS 901,903 & 904) and as per GFC drawings issued by the Employer.	Sqm		145.00	
500-4	Painting to new walls with 2 coats of plastic emulsion paint of approved brand and shade over a base coat of approved cement primer grade I making 3 coats in all to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc. complete for finished item of work as per SS 912 for external walls for:-External Colouring - Plastic emulsion paint - 3 Coats	Sqm		147.00	
500-5	Supply and fixing of Polished or Rough granite stone of approved colour and size as directed by the Engineer and as per the GFC drawing given by the Employer in 15-20 mm thickness cement mortar (1:5) over Brick wall including near cement slurry of honey like consistency spread @ 3.3 kgs per sqm & jointed with	Sqm		31.00	

	neat cement to full depth mixed with pigment of matching shade including cost of all materials like cement, sand water and tiles etc., complete, including Seigniorage charges, complete for finished item of work. - Curved walls				
500-6	Bed Preparation : Dressing the surface to the desired shape, laying 6" layer of fine red soil, covered with a thin layer of sand, watering, rolling with hand roller (4" thickness after rolling), including the cost of red earth, sand and labour charges etc complete including the cost of fertilizers, chemicals but excluding grass as per GFC drawings issued by the Employer	Sqm		200.00	
500-7	Cost of pasupalam grass including conveyance etc.,	Sqm		200.00	
500-8	Dibbling the rooted slips of grass at 3-4" apart and ramming (excluding the cost of grass slips)	Sqm		200.00	
500-9	Bed Preparation : Dressing the surface to the desired shape, laying 6" layer of fine red soil, covered with a thin layer of sand, watering, rolling with hand roller (4" thickness after rolling), including the cost of red earth, sand and labour charges etc complete including the cost of fertilizers, chemicals but excluding grass as per GFC drawings issued by the Employer	Sqm		200.00	
500-10	Ground cover/Flower Bed : Bed preparation 6" layer of soil mixture 3:1:1 ratio red soil, farmyard manure and river sand and application of fertilizers (@ 20 gms/pit/sqmt), smooth surface as per design including cost of soil mixture, filling of the soil mixture and internal transportation as per GFC drawings issued by the Employer.	Sqm		150.00	

500-11	Supply, Delivery and planting the following Trees/Palms including cost of transportation etc., completed as per GFC drawings issued by the Employer.				
	Millingtonia	Nos		6.00	
	Plumeria alba	Nos		28.00	
	Allamanda	Nos		120.00	
600:	WATER SUPPLY & DRAINAGE SYSTEM:				
600-1	Earth work excavation for foundations (Manual Means) of building foundations, footings, walls, sump, compound wall in ordinary soils and depositing on bank with an initial lead of 10m and depth up to 3m including all operational, incidental, labour charges such as shoring, sheeting, planking, strutting etc., as per GFC drawings issued by the Employer and overheads & contractors profit complete for finished item of work excluding dewatering charges etc., as per SS 20 B(APSS 308)	Cum		59.00	
600-2	Filling sand under foundation concrete including cost and conveyance of sand from approved source and labour charges for sectioning, ramming, watering and compacting etc., complete for finished item of work.	Cum		15.00	
600-3	Plain Cement Concrete (1:4:8) (cement: fine aggregate: Coarse aggregate) for foundations and under flooring bed using coarse aggregate 40mm size hard , machine crushed granite from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. as per GFC drawings issued by the Employer to site, including sales & other taxes on all	Cum		27.00	

	materials and including all charges for machine mixing, laying concrete in foundations and under flooring bed of 0.1m layer ramming finishing top surface to the required level curing etc., and overheads & contractors profit complete for finished item of work. (APSS No. 402).				
600-4	Supply and placing of M-25 grade Design Mix Concrete corresponding to IS 456 using batching plant at 20 Cum per hour, transit mixer 4cum capacity with 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including Adjustable Jack screw Props and Acro span HIRE CHARGES FOR CENTERING & SCAFFOLDING cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site, and excluding seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as machine mixing, laying concrete, curing etc., complete including Adjustable Jack screw Props and Acro span HIRE CHARGES FOR CENTERING & SCAFFOLDING but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402)				
	(a) Footings	Cum		1.00	
	(b) Columns	Cum		0.50	
	(c) Slab	Cum		1.00	
600-5	Providing High Yield Strength Deformed (HYSD) bars (Fe 415 grade as per IS 1786-1979) of different diameters for RCC works, including labour charges for straightening, cutting, bending to required sizes and shapes, placing in position with cover blocks of approved materials and size and tying and lap-splicing with	Kg		200.00	

	binding wire of 18 SWG, forming grills for reinforcement work as per approved designs and drawings, including cost and conveyance of steel bars, including all wastages such as overlaps, couplings, chairs, spacer bars including cost and conveyance of binding wire, cover blocks and all incidental, operational, labour charges such as cutting, bending, placing in position, tying including sales and other taxes on all materials etc. complete for finished item of work in all floors (APSS No:126)				
600-6	Plastering 20 mm thick in two coats with base coat of 16mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) with dubara sponge finishing including cost and conveyance of all materials like cement, sand, water etc., to site, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, scaffolding, lift charges, curing, including cutting Grooves as directed by Engineer - in - charge etc., complete for External Surfaces of Brick Wall and RCC exposed faces for finished item of work. (SS 901,903 & 904) and as per GFC drawings issued by the Employer.	Sqm		130.00	
600-7	Painting to new walls with 2 coats of plastic emulsion paint of approved brand and shade over a base coat of approved cement primer grade I making 3 coats in all to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc. complete for finished item of work as per SS 912 for external walls for:-External Colouring - Plastic emulsion paint - 3 Coats	Sqm		14.00	

600-8	Supply delivery and fixing in position of M S Iron grills of any design approved by the departmental authorities using required sizes of M S materials including all cost, conveyance of material and all labour charges for cutting, bending to required shape, welding including cost of welding rods, grinding etc. complete with all taxes etc. complete finished item of work.	Kgs		740.20	
600-9	Supply and Transportation of 3.00HP 20-23 Stage, 3 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / KSB / Aryan Varsha / Lubi.	Job		1.00	
600-10	Providing 100mm dia deep bores well and ground level system water storage tank including cost and conveyance of all materials and with PVC casing pipe with necessary fixtures and labour charges for all operations as per the standards described by the departmental officers etc., complete	Rmt		100.00	
600-11	Supply of polyethylene storage tank double layer conforming to IS:12701-1996 with lid	Lts		2000.00	
600-12	Supplying and fixing NP bib taps of size 12.70mm dia of Indian make Seiko or equivalent including cost and conveyance of all materials, labour charges etc., complete for finished item of work in all floors. 300gm	Nos.		140.00	
600-13	Supply and fixing of CP Jollies of approved make on wall including cost & conveyance charges all materials etc., completed for finished of item	Nos		140.00	

600-14	Supplying and fixing of SWR/PVC pipes (as per ISI standards) 4 Kg/sqm Prince/sudhakar or any ISI brand and fixing all special such as plain bends, off sets, door bends, single junctions, double junctions as per site requirement, fixing with PVC clamps if necessary with required number of Bombay nails including cost and conveyance of all materials to site, labour charges etc., complete for finished item of work at all floor levels (APSS No.1302, 1319 & 1326)				
	110 mm Dia	Rmt		272.50	
	150 mm Dia	Rmt		150.0	
600-15	Supplying and fixing PPR Ball valve as per ISI Class - I , Indian make heavy type including cost and conveyance of all materials , labour charges etc. complete for finished item of work.	Nos		5.00	
600-16	Supplying & fixing Ashirvad/Astral flow guard for equivalent CPVC Pipes with fittings in ground or on wall including cost of tees, elbows, bends, reducers, couplings, running joints, union flanges, unions etc. with necessary excavation in all types of soils except rock requiring blasting, refilling, chiselling masonry walls and making good the walls & floors to the original surface and fixing MS clamps on TW blocks on walls including cost and conveyance of all materials and labour charges complete for finished item of work.				
	16 mm Dia	Rmt		420.00	
	28 mm Dia	Rmt		250.00	
	40mm Dia	Rmt		50.00	

700:	ELECTRIFICATION				
700-1	Fabrication and Supply of 4.0 Mt Height G.R,P. Poles for garden posts with as per manufacturer specification with base and suitable pole cap including cost and conveyance of all material including fixing of luminaire and labour charges etc., complete.	Nos.		32.00	
700-2	Supply of different sizes of M. S. Pipe brackets (Rate per K.G)	Kgs.		32.00	
700-3	Supply and transportation of 18W to 20W street light luminaire made of pressure die cast aluminium body with powder coated, having toughened glass cover input voltage range of 100 to 270 volts AC, power factor > 0.90, high power LED's having efficacy 100 Luminas/watt and junction temperature < 85 degree centigrade of IP 65 with optics, total harmonic distortion less than 15% at 110 Volts AC, driver efficiency >90% etc., complete. a) LUMINAIRE MAKE : Surya / MIC / BLU / KRIPA Lights / Fortune Art / SEMTRONICS / perlite. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.	Nos.		32.00	
700-4	Fabrication and Supply of 10watts LED Lamps for Gates with as per manufacturer specification with base and suitable pole cap including cost and conveyance of all material including fixing of luminaire and labour charges etc., complete.	Nos		8.00	
700-5	Supply and installation of Stall lighting with 12watt LED Bulb-B 22 Base, VSP (Voltage surge Protection) up to 2.5kv) etc.. Complete a) LUMINAIRE MAKE: Surya / MIC / BLU / KRIPA Lights / Fortune Art / SEMTRONICS / perlite. b) LED MAKE: PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.	Nos		140.00	

700-6	Supply and run of 2 of 14 /0.3mm (1.0 Sq.mm) FR P.V.C. insulated flexible copper cable in existing pipe for earth continuity including Cost and Conveyance of all the materials and all labour charges etc., complete.	Rmt		2500.00	
700-7	Supply of 10 Sqm 4 core XLPE insulated, 1100V grade Armoured Aluminium Cable as per specification confirming to IS:7098 (part-1) of makes polycab / KEI / RPG /Finolex /Havells /Paragon / V-Guard / Fortune Art / Gloster /Suncab.	Rmt		1000.00	
700-8	Fabrication and erection of 18 SWG CRCA sheet steel enclosure for power control cubicle panel / boxes etc. including cutting, bending drilling, welding and riveting etc., complete with cleaning with 7 tank process and painting with powder coating including cost and conveyance of all materials and labour charges.(Box size-6"X4"X5")	Nos		4.00	
700-9	Supply and fixing suitable feeder pillar box mad with 14 SWG CRCA sheet including S & F of legrand /Schnieder/siemens/ABB/L&T make 40 A TP MCB'S 6 No SP MCB'S bus bar, 6 Sqm 3 core copper cable for individual light control, contractor, suitable timer and connectors and provision for energy meter etc.. Complete for finished item of work.	Nos		4.00	
700-10	Providing independent earthening by excavating a trends to a depth of 2.1 mtrs. In all soils, as per size specified in the data using 40mm dia "B" class GI pipe of 2.5 mtrs. Length with necessary accessories with home pipe ring duly providing staggered holes including filling with equal proportion of salt and charcoal in layers and all labours charges etc.,	Job		4.00	

	complete for small quarters.				
700-11	Labour charges for laying of UG cable up to 50 Sq.mm including making necessary connections and laying of sand back filling of trench after laying etc. complete.	Rmt		1500.00	
700-12	Supply and fixing of 4way TPN distribution board with IP-42 (MD) Protection suitable for 3 phase ELCB/RCCB/FP Isolator as incomer and 10KA SP MCB`s as outgoing including bus bar arrangements (Make : Legrand/Schneider) 40Apms, 4 Pole Isolator / ELCB / RCCB -1 No, 10kA -6-32A SP MCBs-12Nos	Nos		4.00	
700-13	Supply and Transportation of 1x28/36W recessed/surface mounted box type powder coated energy conserving tube light luminary with electronic ballast operating voltage range of 90V to 350V power factor >0.98 current less than 130ma crest factor and total harmonic distortion shall be as per IS specification with auto cut off at high voltage suitable for 36/40W tube with 5years guarantee for luminaire etc., complete.(Make : Philips/Wipro/Trinic/GE)	Nos		4.00	
700-14	Supplying and fixing of 48" ceiling fan of capacitor type with 1mtr length down-rod, canopy, 3 nos blades of double ball bearing etc., complete with I.S.I standard in high-quality material and high speed etc., complete Crompton greaves /Havells	Nos		2.00	
700-15	Supplying, installation, commissioning and testing CCTV system with High definition C.C cameras, DVR, Display panels, etc with all necessary accessories, wiring complete and	Nos		18.00	

	including making necessary connections etc. complete all approved makes.				
800:	OUTDOOR & CATTLE TRAPS:				
800-1	Cost and Supply and fabrication of M.S. Cattle trap using 15 Nos of 32mm MS Steel rods welded as equal spacing over 6 Nos of 75 x 40 x 5 mm MS channel and fixing in position on the already laid concrete walls, including all labour charges for welding, transporting and fixing in position, cost of welding rods etc., complete as directed by the Departmental Officers for finished item of work.	Nos		4.00	
800-2	Supply placing of S.S 304 make twin dust bins of each dia 500mm and depth of 900mm as per the clients drawing etc., complete.	Nos		15.00	
800-3	Providing and placing Sign boards made with S.S. Sheets including cost and conveyance of S.S. Sheets and labour charges for all operations such as cutting dthe S.S Sheet properly and stickering the matter as specified by the departmental officers etc., complete for finished item of work.	Nos		22.00	
900:	DEVELOPMENT OF EXISTING TOILETS:				
900-1	Supply and construction of Brick masonry 230 mm thick for walls in super structure, foundation with cement mortar (1:6) prop (Cement : sand) using Second class Bricks 23 x 11 x 7 cm from approved source having minimum crushing strength of not less than 3.5 N/sq.mm. including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of all incidental and operational, labour charges like mixing cement mortar, scaffolding charges, constructing masonry, lift charges, curing etc.,	Cum		10.00	

	complete for finished item of work as per APSS 504.				
900-2	Plastering with CM (1:4) 12 mm thick including cost and conveyance of all materials like cement, sand, water etc., to site, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, scaffolding, lift charges, curing, including cutting Grooves as directed by Engineer - in - charge etc., complete.	Sqm		200.00	
900-3	Supply and fixing of Non-skid Ceramic Tiles flooring of approved colour and size as directed by the Engineer and as per the GFC drawing given by the Employer in 15mm thickness cement mortar (1:5) including neat cement slurry of honey like consistency spread @ 3.3 kgs per sqm & jointed with neat cement to full depth mixed with pigment of matching shade including cost of all materials like cement, sand water and tiles etc., complete, including Seigniorage charges, complete for finished item of work.	Sqm		100.00	
900-4	Providing Altek luppum (NCL) for new walls with two coats of Altek Luppam over primer coat and applying two coats of plastic emulsion paint over a coat of primer(total 5 coats) of approved brand and shade asian co. including through brushing of the surface to remove all dirt and remaining loose particles, cost and conveyance of all materials labour charges etc complete for finished item of work for all heights.	Sqm		200.00	

900-5	Painting to walls with 2 coats of plastic emulsion paint of approved brand and shade over a base coat of approved cement primer grade I making making 3 coats in all to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc. complete for finished item of work as per SS 912 for external walls for:- External Colouring - Plastic emulsion paint - 3 Coats	Sqm		200.00	
900-6	Providing and fixing factory made polyvinyl chloride (PVC) door frame of the size 50 x 47mm with a wall thickness of 5mm, made out of extruded 10mm rigid PVC foam sheet, mitre cut at two corners and joined with 2 nos of 150mm long brackets of 15x15mm M.S. Square type, The two vertical door profiles are to be reinforced with 19x19mm M.S. Square tube of 19 gauge. The door frame shall be fixed to the wall using 65/100mm long M.S. Screws through the frame by using PVC fasteners. A minimum 4 nos of screws to be provided for each vertical member & minimum 2 nos horizontal member etc., complete as per manufacturers specification and direction of Engineer-in-charge for finished item of work.	Rmt		50.00	
900-7	Providing and fixing 30mm thick Solid panel PVC door shutter consisting of frame made out of M.S. Tubes of 19 gauge thickness and size of 19mm x 19mm for stiles, & 15mm x 15mm for top & bottom rails M.S, frame have a coat of steel primers of approved make and manufacture M.S. frame shall be covered with 5mm thick, 75mm wide PVC sheets for top rail, lock rail & bottom rail on either side, and 10mm (5mm x 2)thick, 20mm wide cross PVC sheet as gap insert for	Sqm		20.00	

	top rail & bottom rail. Panelling of 5mm thick PVC Sheet to be fitted in the M.S. frame welded/sealed to the stiles & rails with 30mm wide x 5mm thick PVC sheet beading on either side, and joined together with solvent cement adhesive etc., an additional 5mm thick PVC strip of 20mm width is to be stuck on the interior side of the "C" Channel using PVC solvent adhesive. Complete as per direction of Engineer-in-Charge, manufacturers specification & drawing for finished item of work.				
1000:	SECURITY ROOM:				
1000-1	Earth work excavation for foundations (Manual Means) of building foundations, footings, walls, sump, compound wall in ordinary soils and depositing on bank with an initial lead of 10m and depth up to 3m including all operational, incidental, labour charges such as shoring, sheeting, planking, strutting etc., as per GFC drawings issued by the Employer and overheads & contractors profit complete for finished item of work excluding dewatering charges etc., as per SS 20 B(APSS 308)	Cum		3.42	
1000-2	Filling sand under foundation concrete including cost and conveyance of sand from approved source and labour charges for sectioning, ramming, watering and compacting etc., complete for finished item of work.	Cum		0.50	
1000-3	Plain Cement Concrete (1:4:8) (cement: fine aggregate: Coarse aggregate) for foundations and under flooring bed using coarse aggregate 40mm size hard , machine crushed granite from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. as per GFC drawings issued by the Employer to site, including sales & other taxes on all	Cum		0.46	

	materials and including all charges for machine mixing, laying concrete in foundations and under flooring bed of 0.1m layer ramming finishing top surface to the required level curing etc., and overheads & contractors profit complete for finished item of work. (APSS No. 402)				
1000-4	Providing High Yield Strength Deformed (HYSD) bars (Fe 415 grade as per IS 1786-1979) of different diameters for RCC works, including labour charges for straightening, cutting, bending to required sizes and shapes, placing in position with cover blocks of approved materials and size and tying and lap-splicing with binding wire of 18 SWG, forming grills for reinforcement work as per approved designs and drawings, including cost and conveyance of steel bars, including all wastages such as overlaps, couplings, chairs, spacer bars including cost and conveyance of binding wire, cover blocks and all incidental, operational, labour charges such as cutting, bending, placing in position, tying including sales and other taxes on all materials etc. complete for finished item of work in all floors (APSS No:126)	Kgs		650.00	
1000-5	Supply and placing of M-25 grade Design Mix Concrete corresponding to IS 456 using batching plant at 20 Cum per hour, transit mixer 4cum capacity with 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including Adjustable Jack screw Props and Acro span HIRE CHARGES FOR CENTERING & SCAFFOLDING cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site, and excluding seignior age charges, sales & other taxes on all materials including all operational, incidental and labour charges such as machine mixing, laying concrete, curing etc., complete	Cum		2.00	

	including Adjustable Jack screw Props and Acro span HIRE CHARGES FOR CENTERING & SCAFFOLDING but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) For Plinth beam & slab				
1000-6	Supply and construction of Brick masonry 230 mm thick for walls in super structure, foundation with cement mortar (1:6) prop (Cement: sand) using Second class Bricks 23 x 11 x 7 cm from approved source having minimum crushing strength of not less than 3.5 N/sq.mm. including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of all incidental and operational, labour charges like mixing cement mortar, scaffolding charges, constructing masonry, lift charges, curing etc., complete for finished item of work as per APSS 504.	Cum		7.45	
1000-7	Plastering 20 mm thick in two coats with base coat of 16mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) with dubara sponge finishing including cost and conveyance of all materials like cement, sand, water etc., to site, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, scaffolding, lift charges, curing, including cutting Grooves as directed by Engineer - in - charge etc., complete for External Surfaces of Brick Wall and RCC exposed faces for finished item of work. (SS 901,903 & 904) and as per GFC drawings issued by the Employer.	Sqm		43.00	
1000-8	Painting to new walls with 2 coats of plastic emulsion paint of approved brand and shade over a base coat of approved cement primer grade I making 3 coats in all to give an even shade after thoroughly brushing the surface to remove all dirt	Sqm		43.00	

	and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc. complete for finished item of work as per SS 912 for external walls for:-External Colouring - Plastic emulsion paint - 3 Coats				
	Total Amount Rs.				
	Amount in words.....				

KAKINADA MUNICIPAL CORPORATION

Bill of Quantities for the work

**3. Development of GANDHI NAGAR MARKET, Kakinada, East
Godavari Dist.**

Item no.	Item Description.	Unit	Rate	Qty	Amount
100:	NEW BOUNDARY WALL.				
100-1	Earth work excavation for foundations (Manual Means) of building foundations, footings, walls, sump, compound wall in ordinary soils and depositing on bank with an initial lead of 10m and depth up to 3m including all operational, incidental, labour charges such as shoring, sheeting, planking, strutting etc., as per GFC drawings issued by the Employer and overheads & contractors profit complete for finished item of work excluding dewatering charges etc., as per SS 20 B(APSS 308)	Cum		50.00	
100-2	Filling sand under foundation concrete including cost and conveyance of sand from approved source and labour charges for sectioning, ramming, watering and compacting etc., complete for finished item of work.	Cum		5.20	

100-3	Plain Cement Concrete (1:4:8) (cement: fine aggregate: Coarse aggregate) for foundations and under flooring bed using coarse aggregate 40mm size hard , machine crushed granite from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. as per GFC drawings issued by the Employer to site, including sales & other taxes on all materials and including all charges for machine mixing, laying concrete in foundations and under flooring bed of 0.1m layer ramming finishing top surface to the required level curing etc., and overheads & contractors profit complete for finished item of work. (APSS No. 402)	Cum		9.20	
100-4	Supply and placing of M-25 grade Design Mix Concrete corresponding to IS 456 using batching plant at 20 Cum per hour, transit mixer 4cum capacity with 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including Adjustable Jack screw Props and Acro span HIRE CHARGES FOR CENTERING & SCAFFOLDING cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site, and excluding seignior age charges, sales & other taxes on all materials including all operational, incidental and labour charges such as machine mixing, laying				

	concrete, curing etc., complete including Adjustable Jack screw Props and Acro span HIRE CHARGES FOR CENTERING & SCAFFOLDING but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402)				
	(a) Footings	Cum		15.73	
	(b) Columns	Cum		6.29	
	(c) Roof beam & Slab	Cum		20.49	
100-5	Providing High Yield Strength Deformed (HYSD) bars (Fe 415 grade as per IS 1786-1979) of different diameters for RCC works, including labour charges for straightening, cutting, bending to required sizes and shapes, placing in position with cover blocks of approved materials and size and tying and lap-splicing with binding wire of 18 SWG, forming grills for reinforcement work as per approved designs and drawings, including cost and conveyance of steel bars, including all wastages such as overlaps, couplings, chairs, spacer bars including cost and conveyance of binding wire, cover blocks and all incidental, operational, labour charges such as cutting, bending, placing in position, tying including sales and other taxes on all materials etc. complete for finished item of work in all floors (APSS No:126)	Kg.		4200.00	

100-6	Supply and construction of Brick masonry 230 mm thick for walls in super structure, foundation with cement mortar (1:6) prop (Cement: sand) using Second class Bricks 23 x 11 x 7 cm from approved source having minimum crushing strength of not less than 3.5 N/sq.mm. including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of all incidental and operational, labour charges like mixing cement mortar, scaffolding charges, constructing masonry, lift charges, curing etc., complete for finished item of work as per APSS 504.	Cum		54.40	
100-7	Plastering 20 mm thick in two coats with base coat of 16mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) with dubara sponge finishing including cost and conveyance of all materials like cement, sand, water etc., to site, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, scaffolding, lift charges, curing, including cutting Grooves as directed by Engineer - in - charge etc., complete for External Surfaces of Brick Wall and RCC exposed faces for finished item of work. (SS 901,903 & 904) and as per GFC drawings issued by the Employer.	Sqm		502.00	

100-8	Painting to new walls with 2 coats of plastic emulsion paint of approved brand and shade over a base coat of approved cement primer grade I making 3 coats in all to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc. complete for finished item of work as per SS 912 for external walls for:- External Colouring - Plastic emulsion paint - 3 Coats	Sqm		502.00	
100-9	Supply delivery and fixing in position of MS Iron grills of any design approved by the departmental authorities using required sizes of M.S. materials including all cost, conveyance of materials and all labour charges for cutting, bending to required shape, welding including cost of welding rods, grinding etc., complete with all taxes etc., complete for finished item of work.	Kg		4005.40	
100-10	Painting to new iron work with grade-I synthetic enamel paint of approved colour and shade over a base coat of approved primer grad making 3 coats in all to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc.	Sqm.		500.70	

	complete for finished item of work as per SS 912 for external walls for:-External Colouring - Plastic emulsion paint - 3 Coats				
100-11	Ornamental features to the compound wall as directed by the departmental officers including cost, conveyance of all materials and labour charges for all operations etc., complete for finished item of work.	Sqm		417.20	
200	MARKET SHEDS:				
200-1	Dismantling of existing structures like masonry, C.C., R.C.C. work including T&P and scaffolding wherever necessary sorting the dismantling material disposal of unserviceable material and stacking the serviceable materials with all leads and lifts etc., complete.	Cum		140.00	
200-2	Earth work excavation for foundations (Manual Means) of building foundations, footings, walls, sump, compound wall in ordinary soils and depositing on bank with an initial lead of 10m and depth up to 3m including all operational, incidental, labour charges such as shoring, sheeting, planking, strutting etc., as per GFC drawings issued by the Employer and overheads & contractors profit complete for finished item of work excluding dewatering charges etc., as	Cum		80.00	

	per SS 20 B(APSS 308)				
200-3	Filling sand under foundation concrete including cost and conveyance of sand from approved source and labour charges for sectioning, ramming, watering and compacting etc., complete for finished item of work.	Cum		10.00	
200-4	Plain Cement Concrete (1:4:8) (cement: fine aggregate: Coarse aggregate) for foundations and under flooring bed using coarse aggregate 40mm size hard , machine crushed granite from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. as per GFC drawings issued by the Employer to site, including sales & other taxes on all materials and including all charges for machine mixing, laying concrete in foundations and under flooring bed of 0.1m layer ramming finishing top surface to the required level curing etc., and overheads & contractors profit etc. complete for finished item of work. (APSS No. 402)	Cum		40.00	

200-5	<p>Supply and placing of M-25 grade Design Mix Concrete corresponding to IS 456 using batching plant at 20 Cum per hour, transit mixer 4cum capacity with 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including Adjustable Jack screw Props and Acro span HIRE CHARGES FOR CENTERING & SCAFFOLDING cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site, and excluding seignior age charges, sales & other taxes on all materials including all operational, incidental and labour charges such as machine mixing, laying concrete, curing etc., complete including Adjustable</p> <p>Jack screw Props and Acro span HIRE CHARGES FOR CENTERING & SCAFFOLDING but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402)</p>				
	(a) Footings & Plinth beam	Cum		20.00	
	(b) Columns	Cum		14.00	
	(c) Roof beam & Slab	Cum		55.00	

200-6	<p>Providing High Yield Strength Deformed (HYSD) bars (Fe 415 grade as per IS 1786-1979) of different diameters for RCC works, including labour charges for straightening, cutting, bending to required sizes and shapes, placing in position with cover blocks of approved materials and size and tying and lap-splicing with binding wire of 18 SWG, forming grills for reinforcement work as per approved designs and drawings, including cost and conveyance of steel bars, including all wastages such as overlaps, couplings, chairs, spacer bars including cost and conveyance of binding wire, cover blocks and all incidental, operational, labour charges such as cutting, bending, placing in position, tying including sales and other taxes on all materials etc. complete for finished item of work in all floors (APSS No:126)</p>	Kg		8000.00	
200-7	<p>Supply and construction of Brick masonry 230 mm thick for walls in super structure, foundation with cement mortar (1:6) prop (Cement: sand) using Second class Bricks 23 x 11 x 7 cm from approved source having minimum crushing strength of not less than 3.5 N/sq.mm. including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of all incidental and operational, labour charges like mixing cement mortar, scaffolding charges, constructing masonry, lift charges, curing etc., complete</p>	Cum		116.00	

	for finished item of work as per APSS 504.				
200-8	Supply and fixing of Non-skid Ceramic Tiles flooring of approved colour and size as directed by the Engineer and as per the GFC drawing given by the Employer in 15mm thickness cement mortar (1:5) including neat cement slurry of honey like consistency spread @ 3.3 kgs per sqm & jointed with neat cement to full depth mixed with pigment of matching shade including cost of all materials like cement, sand water and tiles etc., complete, including Seigniorage charges, complete for finished item of work.	Sqm		550.00	
200-9	Plastering 20 mm thick in two coats with base coat of 16mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) with dubra sponge finishing including cost and conveyance of all materials like cement, sand, water etc., to site, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, scaffolding, lift charges, curing, including cutting Grooves as directed by Engineer - in - charge etc., complete for External	Sqm		34.00	

	Surfaces of Brick Wall and RCC exposed faces for finished item of work. (SS 901,903 & 904) and as per GFC drawings issued by the Employer.				
200-10	Providing Altek luppum (NCL) for new walls with two coats of Altek Luppam over primer coat and applying two coats of plastic emulsion paint over a coat of primer(total 5 coats) of approved brand and shade asian co. including through brushing of the surface to remove all dirt and remaining loose particles, cost and conveyance of all materials labour charges etc complete for finished item of work for all heights.	Sqm		515.00	
200-11	Painting to new walls with two coats of synthetic enamel paint over a coat of primer of approved brand and shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc., as per GFC drawings issued by the Employer complete for finished item work as per SS for external walls	Sqm		515.00	
200-12	Supply and fixing of Vitrified Tiles flooring 600x600mm of approved colour and make as directed by the Engineer and as per the GFC drawing given by the Employer in 15mm thickness cement mortar (1:5) including near cement slurry of	Sqm		140.00	

	honey like consistency spread @ 3.3 kgs per sqm & jointed with neat cement to full depth mixed with pigment of matching shade including cost of all materials like cement, sand water and tiles etc., complete, including Seigniorage charges, complete for finished item of work.				
200-13	Supply & fixing of 16 to 18mm thick high polished granite stone slabs other than black and regular colours (i.e. of shades like paradiso / bala flower / copper silk / laka red / lavender blue) with borders and design as per the pattern approved by the Engineer-in-Charge of length not less than 2.43 mts set over base coat of cement mortar (1:8) , 20mm thick using screened sand including neat grey cement slurry of honey like consistency spread @ 3.3 Kg per sqm and jointed neatly with white cement paste mixed with pigment of matching shade to full depth including cost and conveyance of all materials like cement , sand , water , granite slabs etc., to work site and all operational, incidental labour & lift charges, polishing charges and all other taxes on all materials, cost of base coat and overheads & contractors profit complete for finished item of work (S.S.701 & special)	Sqm		85.00	
200-14	Charges for moulding of 16 to 18mm thick high polished granite stone without any damage including charges for	Rmt		273.00	

	cutting, rubbing, finishing and labour charges etc... complete as directed by the department engineers				
200-15	Providing and fixing Mangalore tile roofing above sloped roofs as directed by the Engineer and as per the GFC drawing given by the Employer including cost of all materials like cement, sand water and tiles etc., complete, including Seigniorage charges, complete for finished item of work.	Sqm		291.00	
300.	PATHWAYS				
300-1	Supply, delivery and fixing precast C.C. Paver concrete blocks for paving of M-30 grade and thickness not less than 50 mm for Non-traffic areas conforming to IS 15658:2006 in all shapes and designs as per the manufacturer's specification including Seigniorage charges, sales & other taxes on all materials complete for finished item of work as per GFC drawings issued by the Employer.	Sqm.		1820.00	
300-2	Supply, delivery and fixing of 304 grade polished stainless steel traffic bollards and designs as per the manufacturer's specification including Seigniorage charges, sales & other taxes on all materials complete for finished item of work as per GFC drawings issued by the Employer.	Nos		38.00	

300-3	Supply delivery and fixing in position of M.S iron grills of any design approved by the departmental authorities using required sizes os ms materials including all cost and conveyance of materials and all labour charges for cutting, bending to required shape welding including cost of welding rods grinding etc complete with all taxes etc., complete finished item of work.	Kgs.		1350.00	
400:	DEVELOPMENT OF EXISTING BLOCKS				
400-1	Plastering 20 mm thick in two coats with base coat of 16mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) with dubara sponge finishing including cost and conveyance of all materials like cement, sand, water etc., to site, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, scaffolding, lift charges, curing, including cutting Grooves as directed by Engineer - in - charge etc., complete for External Surfaces of Brick Wall and RCC exposed faces for finished item of work. (SS 901,903 & 904) and as per GFC drawings issued by the Employer.	Sqm		2644.00	
400-2	Supply and fixing of Vitrified Tiles flooring 600x600mm of approved colour and make as directed by the Engineer and as per the GFC drawing given by the Employer in 15mm	Sqm		880.00	

	thickness cement mortar (1:5) including neat cement slurry of honey like consistency spread @ 3.3 kgs per sqm & jointed with neat cement to full depth mixed with pigment of matching shade including cost of all materials like cement, sand water and tiles etc., complete, including Seigniorage charges, complete for finished item of work.				
400-3	Providing Altek luppum (NCL) for new walls with two coats of Altek Luppam over primer coat and applying two coats of plastic emulsion paint over a coat of primer(total 5 coats) of approved brand and shade asin co. including through brushing of the surface to remove all dirt and remaining loose particles, cost and conveyance of all materials labour charges etc complete for finished item of work for all heights.	Sqm		2642.00	
400-4	Painting to new walls with 2 coats of plastic emulsion paint of approved brand and shade over a base coat of approved cement primer grade I making 3 coats in all to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc. complete for finished item of work as per SS 912 for external walls for:- External Colouring - Plastic emulsion paint - 3 Coats	Sqm		2642.00	

500:	LAND SCAPE				
500-1	Plain Cement Concrete (1:4:8) (cement: fine aggregate: Coarse aggregate) for foundations and under flooring bed using coarse aggregate 40mm size hard , machine crushed granite from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. as per GFC drawings issued by the Employer to site, including sales & other taxes on all materials and including all charges for machine mixing, laying concrete in foundations and under flooring bed of 0.1m layer ramming finishing top surface to the required level curing etc., and overheads & contractors profit complete for finished item of work. (APSS No. 402)	Cum		1.00	
500-2	Supply and construction of Brick masonry 230 mm thick for walls in super structure, foundation with cement mortar (1:6) prop (Cement:sand) using Second class Bricks 23 x 11 x 7 cm from approved source having minimum crushing strength of not less than 3.5 N/sq.mm. including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of all incidental and operational, labour charges like mixing cement mortar, scaffolding charges, constructing masonry, lift charges, curing etc., complete for finished item of work as per	Cum		3.00	

	APSS 504.				
500-3	Plastering 20 mm thick in two coats with base coat of 16mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) with dubara sponge finishing including cost and conveyance of all materials like cement, sand, water etc., to site, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, scaffolding, lift charges, curing, including cutting Grooves as directed by Engineer - in - charge etc., complete for External Surfaces of Brick Wall and RCC exposed faces for finished item of work. (SS 901,903 & 904) and as per GFC drawings issued by the Employer.	Sqm		51.00	
500-4	Painting to new walls with 2 coats of plastic emulsion paint of approved brand and shade over a base coat of approved cement primer grade I making 3 coats in all to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc. complete for finished item of work as per SS 912 for external walls for:- External Colouring - Plastic	Sqm		51.00	

	emulsion paint - 3 Coats				
500-5	Supply and fixing of Polished or Rough granite stone of approved colour and size as directed by the Engineer and as per the GFC drawing given by the Employer in 15-20 mm thickness cement mortar (1:5) over Brick wall including near cement slurry of honey like consistency spread @ 3.3 kgs per sqm & jointed with neat cement to full depth mixed with pigment of matching shade including cost of all materials like cement, sand water and tiles etc., complete, including Seigniorage charges, complete for finished item of work. - Curved walls	Sqm		6.00	
500-6	Bed Preparation : Dressing the surface to the desired shape, laying 6" layer of fine red soil, covered with a thin layer of sand, watering, rolling with hand roller (4" thickness after rolling), including the cost of red earth, sand and labour charges etc complete including the cost of fertilizers, chemicals but excluding grass as per GFC drawings issued by the Employer	Sqm		71.00	
500-7	Cost of pasupalam grass including conveyance etc.,	Sqm		71.00	
500-8	Dibbling the rooted slips of grass at 3-4" apart and ramming (excluding the cost of grass slips)	Sqm		71.00	

500-9	Bed Preparation : Dressing the surface to the desired shape, laying 6" layer of fine red soil, covered with a thin layer of sand, watering, rolling with hand roller (4" thickness after rolling), including the cost of red earth, sand and labour charges etc complete including the cost of fertilizers, chemicals but excluding grass as per GFC drawings issued by the Employer	Sqm		71.00	
500-10	Ground cover/Flower Bed : Bed preparation 6" layer of soil mixture 3:1:1 ratio red soil, farmyard manure and river sand and application of fertilizers (@ 20 gms/pit/sqmt), smooth surface as per design including cost of soil mixture, filling of the soil mixture and internal transportation as per GFC drawings issued by the Employer.	Sqm		65.00	
500-11	Supply, Delivery and planting the following Trees/Palms including cost of transportation etc., completed as per GFC drawings issued by the Employer.				
	Millingtonia	Nos		8.00	
	Plumeria alba	Nos		20	
	Allamanda	Nos		100	
600:	WATER SUPPLY & DRAINAGE SYSTEM:				
600-1	Earth work excavation for foundations (Manual Means) of building foundations, footings, walls, sump, compound wall in	Cum		40.00	

	ordinary soils and depositing on bank with an initial lead of 10m and depth up to 3m including all operational, incidental, labour charges such as shoring, sheeting, planking, strutting etc., as per GFC drawings issued by the Employer and overheads & contractors profit complete for finished item of work excluding dewatering charges etc., as per SS 20 B(APSS 308)				
600-2	Filling sand under foundation concrete including cost and conveyance of sand from approved source and labour charges for sectioning, ramming, watering and compacting etc., complete for finished item of work.	Cum		10.00	
600-3	Plain Cement Concrete (1:4:8) (cement: fine aggregate: Coarse aggregate) for foundations and under flooring bed using coarse aggregate 40mm size hard , machine crushed granite from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. as per GFC drawings issued by the Employer to site, including sales & other taxes on all materials and including all charges for machine mixing, laying concrete in foundations and under flooring bed of 0.1m layer ramming finishing top surface to the required level curing etc., and overheads & contractors profit complete for finished item of work. (APSS No. 402).	Cum		18.00	

600-4	Supply and placing of M-25 grade Design Mix Concrete corresponding to IS 456 using batching plant at 20 Cum per hour, transit mixer 4cum capacity with 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including Adjustable Jack screw Props and Acro span HIRE CHARGES FOR CENTERING & SCAFFOLDING cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site, and excluding seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as machine mixing, laying concrete, curing etc., complete including Adjustable Jack screw Props and Acro span HIRE CHARGES FOR CENTERING & SCAFFOLDING but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402)				
	(a) Footings	Cum		1.00	
	(b) Columns	Cum		0.40	
	(c) Slab	Cum		1.00	
600-5	Providing High Yield Strength Deformed (HYSD) bars (Fe 415 grade as per IS 1786-1979) of different diameters for RCC works, including labour charges for straightening, cutting, bending to required sizes and shapes, placing in	Kg		200.00	

	<p>position with cover blocks of approved materials and size and tying and lap-splicing with binding wire of 18 SWG, forming grills for reinforcement work as per approved designs and drawings, including cost and conveyance of steel bars, including all wastages such as overlaps, couplings, chairs, spacer bars including cost and conveyance of binding wire, cover blocks and all incidental, operational, labour charges such as cutting, bending, placing in position, tying including sales and other taxes on all materials etc. complete for finished item of work in all floors (APSS No:126)</p>				
600-6	<p>Plastering 20 mm thick in two coats with base coat of 16mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) with dubara sponge finishing including cost and conveyance of all materials like cement, sand, water etc., to site, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, scaffolding, lift charges, curing, including cutting Grooves as directed by Engineer - in - charge etc., complete for External Surfaces of Brick Wall and RCC exposed faces for finished item of work. (SS 901,903 & 904) and as per GFC drawings issued by the Employer.</p>	Sqm		100.00	

600-7	Painting to new walls with 2 coats of plastic emulsion paint of approved brand and shade over a base coat of approved cement primer grade I making 3 coats in all to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc. complete for finished item of work as per SS 912 for external walls for:- External Colouring - Plastic emulsion paint - 3 Coats	Sqm		20.00	
600-8	Supply delivery and fixing in position of M S Iron grills of any design approved by the departmental authorities using required sizes of M S materials including all cost, conveyance of material and all labour charges for cutting, bending to required shape, welding including cost of welding rods, grinding etc. complete with all taxes etc. complete finished item of work.	Kgs		500.00	
600-9	Supply and Transportation of 3.00HP 20-23 Stage, 3 star Three phase ISI submersible motor pumpset suitable for 4" Bore well. Makes: Kirloskar / Crompton / Texmo / KSB / Aryan Varsha / Lubi.	Job		1.00	
600-10	Providing 100mm dia deep bores well and ground level system water storage tank including cost and conveyance of all materials and with PVC casing pipe with necessary	Rmt		100.00	

	fixtures and labour charges for all operations as per the standards described by the departmental officers etc., complete				
600-11	Supply of polyethylene storage tank double layer conforming to IS:12701-1996 with lid	Lts		2000.00	
600-12	Supplying and fixing NP bib taps of size 12.70mm dia of Indian make Seiko or equivalent including cost and conveyance of all materials, labour charges etc., complete for finished item of work in all floors. 300gm	Nos.		75.00	
600-13	Supply and fixing of CP Jollies of approved make on wall including cost & conveyance charges all materials etc., completed for finished of item	Nos		75.00	
600-14	Supplying and fixing of SWR/PVC pipes (as per ISI standards) 4 Kg/sqm Prince/sudhakar or any ISI brand and fixing all special such as plain bends, off sets, door bends, single junctions, double junctions as per site requirement, fixing with PVC clamps if necessary with required number of Bombay nails including cost and conveyance of all materials to site, labour charges etc., complete for finished item of work at all floor levels (APSS No.1302, 1319 & 1326)				
	110 mm Dia	Rmt		204.00	
	150 mm Dia	Rmt		120.0	

600-15	Supplying and fixing PPR Ball valve as per ISI Class - I , Indian make heavy type including cost and conveyance of all materials , labour charges etc. complete for finished item of work.	Nos		5.00	
600-16	Supplying & fixing Ashirvad/Astral flow guard for equivalent CPVC Pipes with fittings in ground or on wall including cost of tees, elbows, bends, reducers, couplings, running joints, union flanges, unions etc. with necessary excavation in all types of soils except rock requiring blasting, refilling, chiselling masonry walls and making good the walls & floors to the original surface and fixing MS clamps on TW blocks on walls including cost and conveyance of all materials and labour charges complete for finished item of work.				
	16 mm Dia	Rmt		278.00	
	28 mm Dia	Rmt		172.00	
	40mm Dia	Rmt		55.00	
700:	ELECTRIFICATION				
700-1	Fabrication and Supply of 4.0 Mt Height G.R,P. Poles for garden posts with as per manufacturer specification with base and suitable pole cap including cost and conveyance of all material including fixing of luminaire and labour charges etc., complete.	Nos.		40.00	

700-2	Supply of different sizes of M. S. Pipe brackets (Rate per K.G)	Kgs.		40.00	
700-3	Supply and transportation of 18W to 20W street light luminaire made of pressure die cast aluminium body with powder coated, having toughened glass cover input voltage range of 100 to 270 volts AC, power factor > 0.90, high power LED's having efficacy 100 Luminas/watt and junction temperature < 85 degree centigrade of IP 65 with optics, total harmonic distortion less than 15% at 110 Volts AC, driver efficiency >90% etc., complete. a) LUMINAIRE MAKE : Surya / MIC / BLU / KRIPA Lights / Fortune Art / SEMTRONICS / perlite. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.	Nos.		40.00	
700-4	Fabrication and Supply of 10watts LED Lamps for Gates with as per manufacturer specification with base and suitable pole cap including cost and conveyance of all material including fixing of luminaire and labour charges etc., complete.	Nos		6.00	
700-5	Supply and installation of Stall lighting with 12watt LED Bulb- B 22 Base, VSP (Voltage surge Protection) up to 2.5kv) etc.. Complete a) LUMINAIRE MAKE: Surya / MIC / BLU / KRIPA Lights / Fortune Art / SEMTRONICS / perlite. b) LED MAKE: PHILIPS	Nos		75.00	

	LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG.				
700-6	Supply and run of 2 of 14 /0.3mm (1.0 Sq.mm) FR P.V.C. insulated flexible copper cable in existing pipe for earth continuity including Cost and Conveyance of all the materials and all labour charges etc., complete.	Rmt		2000.00	
700-7	Supply of 10 Sqm 4 core XLPE insulated,1100V grade Armoured Aluminium Cable as per specification confirming to IS:7098 (part-1) of makes polycab / KEI / RPG /Finolex /Havells /Paragon / V-Guard / Fortune Art / Gloster /Suncab.	Rmt		500.00	
700-8	Fabrication and erection of 18 SWG CRCA sheet steel enclosure for power control cubicle panel / boxes etc. including cutting, bending drilling, welding and riveting etc., complete with cleaning with 7 tank process and painting with powder coating including cost and conveyance of all materials and labour charges.(Box size-6"X4"X5")	Nos		3.00	
700-9	Supply and fixing suitable feeder pillar box mad with 14 SWG CRCA sheet including S & F of legrand /Schneider/siemens/ABB/L&T make 40 A TP MCB'S 6 No SP MCB'S bus bar, 6 Sqm 3 core copper cable for individual light control, contractor, suitable timer and connectors and provision for energy meter etc..	Nos		4.00	

	Complete for finished item of work.				
700-10	Providing independent earthening by excavating a trends to a depth of 2.1 mtrs. In all soils, as per size specified in the data using 40mm dia "B" class GI pipe of 2.5 mtrs. Length with necessary accessories with home pipe ring duly providing staggered holes including filling with equal proportion of salt and charcoal in layers and all labours charges etc., complete for small quarters.	Job		4.00	
700-11	Labour charges for laying of UG cable up to 50 Sq.mm including making necessary connections and laying of sand back filling of trench after laying etc. complete.	Rmt		400.00	
700-12	Supply and fixing of 4way TPN distribution board with IP-42 (MD) Protection suitable for 3 phase ELCB/RCCB/FP Isolator as incomer and 10KA SP MCB`s as outgoing including bus bar arrangements (Make : Legrand/Schneider) 40Apms, 4 Pole Isolator / ELCB / RCCB -1 No, 10kA -6-32A SP MCBs-12Nos	Nos		2.00	
700-13	Supply and Transportation of 1x28/36W recessed/surface mounted box type powder coated energy conserving tube light luminary with electronic ballast operating voltage range	Nos		4.00	

	of 90V to 350V power factor >0.98 current less than 130ma crest factor and total harmonic distortion shall be as per IS specification with auto cut off at high voltage suitable for 36/40W tube with 5years guarantee for luminaire etc., complete.(Make : Philips/Wipro/Trinic/GE)				
700-14	Supplying and fixing of 48" ceiling fan of capacitor type with 1mtr length down-rod, canopy, 3 nos blades of double ball bearing etc., complete with I.S.I standard in high-quality material and high speed etc., complete Crompton greaves /Havells	Nos		2.00	
700-15	Supplying, installation, commissioning and testing CCTV system with High definition C.C cameras, DVR, Display panels, etc with all necessary accessories, wiring complete and including making necessary connections etc. complete all approved makes.	Nos		18.00	
800:	OUT SIDE DOORS & CATTEL TRAPS:				
800-1	Cost and Supply and fabrication of M.S. Cattle trap using 15 Nos of 32mm MS Steel rods welded as equal spacing over 6 Nos of 75 x 40 x 5 mm MS channel and fixing in position on the already laid concrete walls, including all labour charges for welding, transporting and fixing in position, cost of welding rods etc., complete as directed by the Departmental Officers for	Nos		3.00	

	finished item of work.				
800-2	Supply placing of S.S 304 make twin dust bins of each dia 500mm and depth of 900mm as per the clients drawing etc., complete.	Nos		21.00	
800-3	Providing and placing Sign boards made with S.S. Sheets including cost and conveyance of S.S. Sheets and labour charges for all operations such as cutting dthe S.S Sheet properly and stickering the matter as specified by the departmental officers etc., complete for finished item of work.	Nos		9.00	
900:	DEVELOPMENT OF EXISTING TOILETS:				
900-1	Supply and construction of Brick masonry 230 mm thick for walls in super structure, foundation with cement mortar (1:6) prop (Cement : sand) using Second class Bricks 23 x 11 x 7 cm from approved source having minimum crushing strength of not less than 3.5 N/sq.mm. including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of all incidental and operational, labour charges like mixing cement mortar, scaffolding charges, constructing masonry, lift charges, curing etc., complete for finished item of work as per APSS 504.	Cum		5.00	

900-2	Plastering with CM (1:4) 12 mm thick including cost and conveyance of all materials like cement, sand, water etc., to site, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, scaffolding, lift charges, curing, including cutting Grooves as directed by Engineer - in - charge etc., complete.	Sqm		150.00	
900-3	Supply and fixing of Non-skid Ceramic Tiles flooring of approved colour and size as directed by the Engineer and as per the GFC drawing given by the Employer in 15mm thickness cement mortar (1:5) including neat cement slurry of honey like consistency spread @ 3.3 kgs per sqm & jointed with neat cement to full depth mixed with pigment of matching shade including cost of all materials like cement, sand water and tiles etc., complete, including Seigniorage charges, complete for finished item of work.	Sqm		100.00	
900-4	Providing Altek luppum (NCL) for new walls with two coats of Altek Luppam over primer coat and applying two coats of plastic emulsion paint over a coat of primer(total 5 coats) of approved brand and shade asian co. including through brushing of the surface to remove all dirt and remaining loose particles, cost and conveyance of all materials labour charges etc complete for finished item of work for all	Sqm		200.00	

	heights.				
900-5	Painting to walls with 2 coats of plastic emulsion paint of approved brand and shade over a base coat of approved cement primer grade I making making 3 coats in all to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc. complete for finished item of work as per SS 912 for external walls for:- External Colouring - Plastic emulsion paint - 3 Coats	Sqm		200.00	
900-6	Providing and fixing factory made polyvinyl chloride (PVC) door frame of the size 50 x 47mm with a wall thickness of 5mm, made out of extruded 10mm rigid PVC foam sheet, mitre cut at two corners and joined with 2 nos of 150mm long brackets of 15x15mm M.S. Square type, The two vertical door profiles are to be reinforced with 19x19mm M.S. Square tube of 19 gauge. The door frame shall be fixed to the wall using 65/100mm long M.S. Screws through the frame by using PVC fasteners. A minimum 4 nos of screws to be provided for each vertical member & minimum 2 nos horizontal member etc., complete as per manufacturers specification and direction of	Rmt		50.00	

	Engineer-in-charge for finished item of work.				
900-7	<p>Providing and fixing 30mm thick Solid panel PVC door shutter consisting of frame made out of M.S. Tubes of 19 gauge thickness and size of 19mm x 19mm for stiles, & 15mm x 15mm for top & bottom rails M.S, frame have a coat of steel primers of approved make and manufacture M.S. frame shall be covered with 5mm thick, 75mm wide PVC sheets for top rail, lock rail & bottom rail on either side, and 10mm (5mm x 2)thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail. Panelling of 5mm thick PVC Sheet to be fitted in the M.S. frame welded/sealed to the stiles & rails with 30mm wide x 5mm thick PVC sheet beading on either side, and joined together with solvent cement adhesive etc., an additional 5mm thick PVC strip of 20mm width is to be stuck on the interior side of the "C" Channel using PVC solvent adhesive. Complete as per direction of Engineer-in-Charge, manufacturers specification & drawing for finished item of work.</p>	Sqm		20.00	
1000:	SECURITY ROOM:				

1000-1	Earth work excavation for foundations (Manual Means) of building foundations, footings, walls, sump, compound wall in ordinary soils and depositing on bank with an initial lead of 10m and depth up to 3m including all operational, incidental, labour charges such as shoring, sheeting, planking, strutting etc., as per GFC drawings issued by the Employer and overheads & contractors profit complete for finished item of work excluding dewatering charges etc., as per SS 20 B(APSS 308)	Cum		4.00	
1000-2	Filling sand under foundation concrete including cost and conveyance of sand from approved source and labour charges for sectioning, ramming, watering and compacting etc., complete for finished item of work.	Cum		0.50	
1000-3	Plain Cement Concrete (1:4:8) (cement: fine aggregate: Coarse aggregate) for foundations and under flooring bed using coarse aggregate 40mm size hard , machine crushed granite from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. as per GFC drawings issued by the Employer to site, including sales & other taxes on all materials and including all charges for machine mixing, laying concrete in foundations and under flooring bed of 0.1m layer ramming finishing top surface to the required level	Cum		0.50	

	curing etc., and overheads & contractors profit complete for finished item of work. (APSS No. 402)				
1000-4	Providing High Yield Strength Deformed (HYSD) bars (Fe 415 grade as per IS 1786-1979) of different diameters for RCC works, including labour charges for straightening, cutting, bending to required sizes and shapes, placing in position with cover blocks of approved materials and size and tying and lap-splicing with binding wire of 18 SWG, forming grills for reinforcement work as per approved designs and drawings, including cost and conveyance of steel bars, including all wastages such as overlaps, couplings, chairs, spacer bars including cost and conveyance of binding wire, cover blocks and all incidental, operational, labour charges such as cutting, bending, placing in position, tying including sales and other taxes on all materials etc. complete for finished item of work in all floors (APSS No:126)	Kgs		650.00	
1000-5	Supply and placing of M-25 grade Design Mix Concrete corresponding to IS 456 using batching plant at 20 Cum per hour, transit mixer 4cum capacity with 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including Adjustable Jack screw Props and Acro span HIRE CHARGES FOR CENTERING &	Cum		1.95	

	SCAFFOLDING cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site, and excluding seignior age charges, sales & other taxes on all materials including all operational, incidental and labour charges such as machine mixing, laying concrete, curing etc., complete including Adjustable Jack screw Props and Acro span HIRE CHARGES FOR CENTERING & SCAFFOLDING but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) For Plinth beam & slab				
1000-6	Supply and construction of Brick masonry 230 mm thick for walls in super structure, foundation with cement mortar (1:6) prop (Cement: sand) using Second class Bricks 23 x 11 x 7 cm from approved source having minimum crushing strength of not less than 3.5 N/sq.mm. including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of all incidental and operational, labour charges like mixing cement mortar, scaffolding charges, constructing masonry, lift charges, curing etc., complete for finished item of work as per APSS 504.	Cum		7.50	

1000-7	Plastering 20 mm thick in two coats with base coat of 16mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) with dubara sponge finishing including cost and conveyance of all materials like cement, sand, water etc., to site, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, scaffolding, lift charges, curing, including cutting Grooves as directed by Engineer - in - charge etc., complete for External Surfaces of Brick Wall and RCC exposed faces for finished item of work. (SS 901,903 & 904) and as per GFC drawings issued by the Employer.	Sqm		50.00	
1000-8	Painting to new walls with 2 coats of plastic emulsion paint of approved brand and shade over a base coat of approved cement primer grade I making 3 coats in all to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc. complete for finished item of work as per SS 912 for external walls for:- External Colouring - Plastic emulsion paint - 3 Coats	Sqm		50.00	
	Total Amount Rs.				
	Amount in words.....				

