

KAKINADA SMART CITY CORPORATION LIMITED

Name of the work: Re-Development with additional facilities to Markets (Pedda market, Kotha peta,Gandhi nagar)

STATEMENT SHOWING TENTATIVE QUANTITIES (MARKET WISE)

Sl. No	Description of Item	Unit	Quantity			Total Quantity
			Gandhi nagar	Pedda Market	Kotha peta	
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 lift of 2m 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 etc., complete for finished item of work excluding dewatering charges and seignorage charges etc., SS 20 B as per (APSS 301,308) .	Cum	173.99	230.00	262.42	666.42
100-2	Filling sand under foundation concrete including cost and conveyance of sand from approved source and labour charges for all operations such as sectioning, ramming, watering and compacting etc., complete as directed by the departmental officers in-charge of the work for finished item of work excluding seignorage charges.(As per APSS 309)	Cum	25.70	194.32	196.50	416.53
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 metal 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 all charges for Centering, machine mixing, laying concrete in position to foundations and under flooring bed of 0.1m layer ramming finishing the top surface to the required level curing and excluding seignorage charges etc., and overheads & contractors profit etc. complete for finished item of work, excluding seignorage charges. (APSS No. 402)(APSS No. 402)	Cum	68.67	471.90	426.70	967.27
100-4	Supply and placing of M-25 grade Design Mix Concrete corresponding to IS 456 using concrete mixture 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry, cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site of work and labour charges for all operations such as centering, machine mixing, laying concrete in position, vibrating and curing etc.,complete for finished item of work as directed by the departmental officers in - charge of the work but excluding cost of steel and its fabrication charges for finished item of work, excluding seignorage charges . (As per APSS No. 402)					
a)	For footings	Cum	23.93	28.28	28.00	80.22
b)	For pedestals	Cum	2.28	3.04	3.80	9.13
c)	For plinth beam	Cum	30.91	38.61	37.78	107.29
d)	For Columns	Cum	20.69	25.62	29.50	75.81
e)	For Beams	Cum	23.00	24.99	31.74	79.73
f)	For Slabs	Cum	34.13	44.72	55.38	134.23
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)	Kgs	13050.84	12310.19	17450.00	42811.02
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	185.83	180.46	231.51	597.80
100-7	Plastering 20mm thick in two coats using screened sand with base coat of 16mm thick in CM (1:6) and top coat of 4mm thick in CM (1:3) with dubara sponge finishing including cost and conveyance of all materials like cement, sand, water etc., to site, including 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 uneven surfaces of Brick wall and RCC exposed surface and overheads & contractors profit complete for finished item of work but excluding seignorage charges. (SS 901,903 & 904)	Sqm	3381.01	12819.90	4706.97	20907.88

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100-8	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	200.00	200.00	550.00
100-9	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	3979.95	3557.88	4792.95	12330.77
100-10	Providing and applying synthetic plaster putty or plaster of paris putty or lime punning of average 1 to 2mm thickness over plastered surface to prepare the surface even and smooth after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, applying emery paper, sand the surface, clean & wipe off loose dust, applying knifing paste filler by putty knife/muslin pad, air dry for 2 - 3 hrs sand with 180 and 320 no emery paper for the surface preparation including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc., complete for finished item of work for internal walls	Sqm	3356.94	2198.95	3460.00	9015.89
100-11	Painting with Grade-I Synthetic Enamel paints of Two Coats including cost and conveyance of all materials to site of work and labour charges for all operations including cost of brushes etc., complete for finished item of work.-	Sqm	500.67	600	530	1630.67
100-12	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	5855.36	6492.96	6740.16	19088.48
100-13	Charges for ornamental features to the compound wall including cost & conveyance of all materials to site of work and labour charges dfor all operations such as mixing mortar, etc.,complete... as directed by the Engineer-in-charge excluding seigniorage charges.	Sqm	417.225	528	500	1445.23
100-14	Dismantling, clearing away and carefully stacking the useful materials for re-use and disposal of unserviceable materials with 100m lead as directed by the Departmental Officers duly taking actual pre-measurements before dismantling including all labour charges , overheads & contractor profit etc., complete for finished item of work.(CC flooring)	Cum	140.00	150.00	200.00	490.00
100-15	Supply and fixing of Nonskid 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, excluding Seigniorage charges, complete for finished item of work.	Sqm	650.00	808.00	1030.00	2488.00
100-16	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 (1:8) 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., excluding Seigniorage charges, complete for finished item of work.	Sqm	1020.00	5045.90	1632.00	7697.90
100-17	SuppFlooring with 16 to 18 mm thick flamed granite stone slabs black colour as 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 over CC bed already laid or RCC roof slab 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, half rounding the edge , polishing charges and excluding seignarage charges, cost of base coat and overheads & contractors profit complete for finished item of work. (S.S.701 & special)	Sqm	91.00	110.00	166.00	367.00
100-18	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	273	364	455	1092.00
100-19	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	388.00	485.00	1164.00
100-20	Supply, delivery and fixing precast C.C.Paver concrete blocks for paving of M-30 grade and thickness not less than 50 mm for Nontraffic 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	1880.00	1580.00	5280.00
100-21	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.	Each	38.00	0.00	35.00	73.00

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100-22	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.	Each	3.00	2.00	4.00	9.00
100-23	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.	Each	21.00	20.00	15.00	56.00
100-24	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 the S.S Sheet properly and stockering the matter as specified by the departmental officers etc., complete for finished item of work.	Each	9.00	5.00	22.00	36.00
100-25	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 tybe, The two vertical door profiles are to be reinforced with 19x19mm M.S.Square tube of 19 guage. 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	50.00	50.00	150.00
100-26	Providing and fixing 30mm thick Solid panel PVC door shutter consisting of frame made out of M.S.Tubes of 19 guage thickness and size of 19mm x 19mm for stiles, & 15mm x 15mm for top & bottom rails M.S.frame have a coat of steel primersa of approved make and manufacture,m M.S.frame shallbe covered with 5mm thck, 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 solvden cement adhesive etc., an additional 5mm thjick PVC strip of 20mm width is to be stuck on the interior saide 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	20.00	20.00	60.00
200	Landscape					
200-1	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	0	200	271.00
200-2	Cost of pasupalam grass including coneyances etc.,	Sqm	71.00	0	200.00	271.00
200-3	Dibbling the rooted slips of grass at 3-4" apart and ramming (excluding the cost of grass slips)	Sqm	71.00	0	200.00	271.00
200-4	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	0	200.00	271.00
200-5	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	0	150.00	215.00
200-6	Supply, Delivery and planting following Trees/Palms including cost of transportation etc., completed as per GFC drawings issued by the Employer.					0.00
a)	millingtonia	Each	8.00	0	6.00	14.00
b)	plumeria alba	Each	20.00	0	28.00	48.00
c)	allamanda	Each	100.00	0	120.00	220.00
300	Water Supply & Drainage System					
300-1	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.	1Job	1.00	1.00	1.00	3.00
300-2	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	100.00	100.00	300.00
300-3	Supply of polythilin storage tank double layer conforming to IS:12701-1996 with lid (Syntax water tank)	Ltrs.	2000.00	2000.00	2000.00	6000.00
300-4	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. 300grm	Each	75.00	110.00	140.00	325.00
300-5	Supply and fixing of CP Jallies of approval make on wall incluing cost& convancy charges all metirials ect completed for finished of item	Each	75.00	110.00	140.00	325.00

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300-6	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)					
a)	110mm dia	Rmt	204	295	272.5	771.50
b)	160mm dia	Rmt	120	150	150	420.00
300-7	Supplying and fixing 40mm dia 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.	Each	5.00	5.00	5.00	15.00
300-8	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.					
a)	16mm dia	Rmt	278.00	371.00	420.00	1069.00
b)	28mm dia	Rmt	214.00	180.00	250.00	644.00
c)	40mm dia	Rmt	371.00	70.00	50.00	491.00
400	Electrification					0.00
400-1	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 as directed by the departmental officers in-charge of the work for finished item of work	Each	40.00	36.00	32.00	108.00
400-2	Supply of different sizes of M. S. Pipe brackets (Rate per K.G) 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.	Kgs	40.00	38.00	32.00	110.00
400-3	Supply and transportation of 18W to 20W street light luminaire made of pressure diecast 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 lumines/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 / Pierlite. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG etc., including all labour charges for etc., complete as directed by the Departmental Officers for finished item of work.	Each	40.00	36.00	32.00	108.00
400-4	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 including all labour charges etc., complete as directed by the Departmental Officers for finished item of work.	Each	6.00	4.00	8.00	18.00
400-5	Supply and installation of Stall lighting with 12watt LED Bulb-B 22 Base, VSP (Voltage surge Protection) upto 2.5kv) etc.. Complete a) LUMINAIRE MAKE : Surya / MIC / BLU / KRIPA Lights / Fortune Art / SEMTRONICS / Pierlite. b) LED MAKE : PHILIPS LUMILEDS / CREE / NICHIA / OSRAM / SAMSUNG etc., including all labour charges etc., complete as directed by the Departmental Officers for finished item of work.	Each	75.00	104.00	140.00	319.00
400-6	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 including all labour charges etc., complete as directed by the Departmental Officers for finished item of work.	Rmt	2000	2000	2500	6500.00
400-7	Supply of 10 Sqmm 4 core XLPE insulated,1100V grade Armoured Aluminium Cable as per specification conforming to IS:7098 (part-1) of makes polycab / KEI / RPG / Finolex /Havells /Paragon / V-Guard / Fortune Art / Gloster /Suncab etc., including all labour charges etc., complete as directed by the Departmental Officers for finished item of work.	Rmt	500	300	1000	1800.00
400-8	Fabrication and erection of 18 SWG CRCA sheet steel enclosure for power control cubicle panel / boxes etc.including cutting, bending drilling, welding and reventingetc.,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") etc., complete as directed by the Departmental Officers for finished item of work.	Each	3	4	4	11.00
400-9	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 Sqmm 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.	Each	4	4	4	12.00
400-10	Providing independent earthing 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 chrcoal in layers and all labours charges etc.,complete for small quaerters.complete as directed by the Departmental Officers for finished item of work.	1Job	4	4	4	12.00
400-11	Labour charges for laying of UG cable upto 50 Sq.mm including making necessary connections and laying of sand back filling of trech after laying etc.complete as directed by the Departmental Officers for finished item of work.	Rmt	400	200	1500	2100.00

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			Gandhi nagar	Pedda Market	Kotha peta	
400-12	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 etc., complete as directed by the Departmental Officers for finished item of work.	Each	2	2	4	8.00
400-13	Supply and Transportation of 1x28 /36W recessed/surface mounted box type powder coated energy conserving tube light luminiary with electronic ballast operating voltage range of 90V to 350V power factor >0.98 current less than 130ma crest factor and total harmonic distorrtn 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)	Each	4	4	4	12.00
400-14	Supplying and fixing of 48" ceiling fan of capacitor type with 1mtr length down-rod, canopy, 3 nos baldes of double ball bearing etc., complete with I.S.I standard in high-quality material and high speed etc., complete Crompton greaves /Havells etc., complete as directed by the Departmental Officers for finished item of work.	Each	2	1	2	5.00
400-15	Supplying, installation, commissioning and testing CCTV system with High definition C.C camaras, DVR, Display panels, etc with all necessary accerories, wiring complete and including making necessary connections and all labour charges etc., complete approved makes etc., as directed by the Departmental Officers for finished item of work.	Each	18	19	18	55.00