

	KAKINADA MUNICIPAL CORPORATION						
Name	of the work: Estimate for development of RAJA TANK PARE	K at Kakir	nada, E	East Goo	lavari Dist.		
SI. No	Description of Item	Qty	Unit	Rate	Amount		
1 1	Dismantling of existing structures like culvert, bridges retaining wall and other structure comprisiing of masonry, CC, wood work steel work including T&P and scaffolding wherever necessary, sorting the dismantled materials disposal of unserviceable materials and stackding the servicerable material with all leads and lifts, brick work/stone masonry/ cement concrete work etc., complete for finished item of work as directed by the departmental officers.	1410.00	Cum				
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)	950.00	Cum				
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)	150.00	Cum				
4	Plain Cement Concrete (1:2:4) (cement: fine aggregate: Coarse aggregate) for foundations and under flooring bed using coarse aggregate 20mm 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)	105.00	Cum				
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 & SCAFFOLDINGcost 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)For footings (b)For Columns (c)for plinth beam (d)for Retaining wall	170.00 40.00 <b>63.00</b>	Cum Cum				
	Notalining wall	81.00	Cum				



SI. No	Description of Item	Qty	Unit	Rate	Amount
6	Supply and construction of Brick masonry 225 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.	60.00	Cum		
7	Supply delivery and fixing in position of <b>M S Iron grills</b> 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.	7100.00	kgs		
8	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 insidental, 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)	24003.0	Kgs		
9	Painting with Synthetic Enamel paints - Two Coats - For New Iron Work	12780.0	sqm		
10	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.	670.00	Sqm		
11	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.	800.00	Sqm		
12	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	800.00	Sqm		



CL No	Description of Nove	Otre	11:0:4	Doto	Amount
SI. No	Description of Item	Qty	Unit	Rate	Amount
	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)	27.00	Cum		
14	Plain Cement Concrete (1:3:6) (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)	207.00	Cum		
15	Supply and fixing C.C. Kerbs (Pre casted) not less than M30 strength, of size 600 X 400 X 110 mm thick with bottom thickness of 110 mm upto height of 350 mm and top width of 60 mm thick chamfering at starts at 350 mm height to 400 mm as per GFC drawings issued by the Employer can be laid existing CC Bed jointing with C.M(1:3) including cost and conveyance of all material & labour charges including sales & other taxes on all materials, transportation complete for finished item of work	507.00	Rmt		
16	Supply and placing of M-30 grade Design Mix (Cement 360 Kgs, fine aggregate coarse aggregate) corresponding Concrete corresponding to Table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including,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 but excluding cost of steel and its fabrication charges for finished item of work.	39.00	Cum		
17	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, includind cost and convenyance 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	381.00	Sqmt		
	/ GRAND WALK WAY		 		
18	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)	180.00	Cum		



SI. No	Description of Item	Qty	Unit	Rate	Amount
19	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)	613.00	Cum		
20	Supply and fixing C.C. Kerbs (Pre casted) not less than M30 strength, of size 600 X 400 X 110 mm thick with bottom thickness of 110 mm upto height of 350 mm and top width of 60 mm thick chamfering at starts at 350 mm height to 400 mm as per GFC drawings issued by the Employer can be laid existing CC Bed jointing with C.M(1:3) including cost and conveyance of all material & labour charges including sales & other taxes on all materials, transportation complete for finished item of work	1706.00	Rmt		
21	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, includind cost and convenyance of all materials to work site and all operational, incidental, labour charges etc., as per GFC drawings issued by the Employer complete for	1280.00	Sqmt		
22	Flooring with flamed Tandur stone slabs of 15 to 18 mm thick set over a base coat of CM (1:5), 12mm thick using screened sand over already laid CC bed / RCC roof slab including neat cement slurry of honey like consistency spread @ 3.3 Kgs per Sqm and jointed with neat cement to full depth including cost and conveyance of all materials like cement, sand, water, flooring stones etc. complete including sales & other taxes on all materials including all labour charges like dressing of flooring stones to the required size, mixing of cement mortar, laying, lift charges, cost of base coat, water charges etc., and overheads & contractors profit complete for finished item of work. (APSS No.703 & 701)	6569.00	Sqmt		
D.NEV	V MURRUM WALK WAY				
23	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)	220.00	Cum		
24	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)	71.00	Cum		
25	Supply and fixing C.C. Kerbs (Pre casted) not less than M30 strength, of size 600 X 400 X 110 mm thick with bottom thickness of 110 mm upto height of 350 mm and top width of 60 mm thick chamfering at starts at 350 mm height to 400 mm as per GFC drawings issued by the Employer can be laid existing CC Bed jointing with C.M(1:3) including cost and conveyance of all material & labour charges including sales & other taxes on all materials, transportation complete for finished item of work	2010.00	Rmt		
opment of	Vivekanand Park				



SI. No	Description of Item	Qty	Unit	Rate	Amount
	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, includind cost and convenyance of all materials to work site and all operational, incidental, labour charges	1510.00	Sqmt		
	Supply, Laying, Filling, levelling and consolidation of Gravel blended with Gravel 70% and Sand 30% brought from approved quarry including cost and conveyance of gravel and sand and all labour charges for sectioning, ramming, watering etc. complete including Seigniorage charges, other taxes on all materials complete for	1055.00	Cum		
	IDSCAPE/SOFT SCAPES				
28	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	23697.0	Sqm		
29	Supplying, Laying and spreading Red earth in layers for earthen mounds in required slope including the cost of red earth, sand and labour charges etc as per GFC drawings issued by the Employer	2340.00	Cum		
30	For Paspulam Grass				
	Cost of pasupalam grass including coneyances etc.,	6549.00	Sqm		
	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  For Carpet Grass	6549.00	Sqm		
02	Cost of Korean Carpet Grass grown in red soil earth including loading, unloading and transportation etc., as per GFC drawings issued by the Employer	6918.00	Sqm		
33	Laying and ramming of grass	6918.00	Sqm		
34	Maintenance of lawns: Lawn mowing with electric motor / protable cutter machine and edging & weeding of the lawns once in 15 days from June - Nov and once in 30 days from Dec - May with watering 10 to 15 ltrs /per Sqmt/per day basing on season and weather conditions (sub soil moisture shall be maintained continuously 30 waterings in a month) and application of fertilizer, insecticides, Fungicides once in a month including cost of fertilizer for 2 years	30246.0	Sqm		
35	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.	430.80	Sqm		
36	Maintenance of Ground cover/Flower Bed: Trimming of hedges/shrubs once in 15 days and watering once in a day @ 5 Lts/per sqmt/per day (sub soil moisture shall be maintained continuously). Edge cutting 1 ft. away from the edges and applicaion of fertilizers, insecticides, Fungicides ( @ 20 gms/pit/sqmt) etc., once in 30 days including area allowances for 2 years	3033.00	Sqm		
37	Digging of 60x60x60 cm pit, filling with soil mixture of red soil and farmyard manure at 4:1 ratio including internal transport, application of fertilizers and chemicals (@ 20 gms/pit/sqmt), internal transportation of plants and planting the plants (excluding cost of plant material, fertilizers and chemicals (@ 20 gms/pit/sqmt)) as per GFC drawings issued by the Employer	65.00	Each		
38	Digging of 45x45x45 cm pit, filling with soil mixture of red soil and farmyard manure at 4:1 ratio including internal transport, application of fertilizers and chemicals (@ 20 gms/pit/sqmt), internal transportation of plants and planting the plants (excluding cost of plant material, fertilizers and chemicals (@ 20 gms/pit/sqmt))	250.00	Each		



SI. No	Description of Item	Qty	Unit	Rate	Amount
39	Digging of 30x30x30 cm pit, filling with soil mixture of red soil and farmyard manure at 4:1 ratio including internal transport, application of fertilizers and chemicals (@ 20 gms/pit/sqmt), internal transportation of plants and planting the plants (excluding cost of plant material, fertilizers and chemicals (@ 20 gms/pit/sqmt))	199.00	Each		
	Maintenance of Palms/Tree planting: Trimming once in month watering once in a day @ 5 Lts/per sqmt/per day /(sub soil moisture shall be maintained continuously). Formation of basins 1 ft. away from the edges and applicaion of fertilizers, insecticides, Fungicides( @ 20 gms/pit/sqmt) with manual watering etc., for 2 years	514.00	Nos		
41	Supply, Delivery and planting following Trees/Palms including cost of transportation etc., completed as per GFC drawings issued by the Employer.				
	Raphis palm	28.00	Each		
	Ficus benjamina	12.00	Each		
	Mini ixorapink	159.00	Each		
	cocos nucifera	13.00	Each		
	millingtonia	112.00	Each		
	plumeria alba	28.00	Each		
	Bamboo multiplex	25.00			
	Caesalpinia	48.00	Each		
	Tabernamontana	18.00	Each		
	Veitchia merrilli	7.00	Each		
	Tabernae-tana miniatare	64.00	Each		
	DOOR FURNITURE				
42	Providing and fixing outdoor benches made with R.C.C M-20 grade and granile stone clading complete as per design as per GFC drawings issued by the Employer				
	BENCH-1	130.00	each		
43	Providing and fixing outdoor benches including planter box made with R.C.C M-20 grade and granile stone clading complete as per design as per GFC drawings issued by the Employer				
	BENCH-2	73.00	each		
					44
44	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)	100.00	Cum		
	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)	7.30	Cum		
46	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 & SCAFFOLDINGcost 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, laving concrete curing etc. complete including Adjustable Jack	140.00	Cus		
	(a)Slab	140.00			
ĺ	(b)Precasted RCC Slab for seating	1.00	Cum		



SI. No	Description of Item	Qty	Unit	Rate	Amount
47	·	53.00	Cum		
	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.		-		
49	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.	890.00	Sqm		
50	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	890.00	Sqm		
51	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	330.00	Sqm		
52	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	49.00	Sqm		
	CTRIFICATION  Exhibition transportation and supply of 12 Mtrs Glass Poinforced	4.00	Nos		
53	Fabrication, transportation and supply of 12 Mtrs Glass Reinforced Polymer (GRP) Polygon High Mast with single section of 3mm thick of Bottom 350mm / 360mm and Top 125mm / 100mm dia with BSEN - 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate, having a base plate of size 520mm dia 16mm thick with its accessories. Mast shall be in single section for 12 Mtrs and 2 sections for 16 and 20 Mtrs. Mast shall be hot dip galvanized and suiatble for wind velocity of 180 KMPH as per IS 875 part 3 including head frame, 2 point suspension system with steel rope 6mm dia (7/19) construction double drum winch / power tool operating speed of 900 RPM, and necessary cable trailer connections and single speed motor with M 24 x 800 mm foundation bolts of required quantity, suitable for 6 luminaires with GLS type aviation twin lamp Makes: Bajaj / Valmont / TRANSRAIL	4.00	200		



SI. No	Description of Item	Qty	Unit	Rate	Amount
54	Earth work exacavation with a approximate quantity of 4.0 Cum for errection of 12 Mtrs high mast and refilling with a quantity of 0.53 Cum of PCC 1:4:8, 1.50 Cum M 20 grade concrete and (80 Kgs) reinforced steel of 12mm / 10mm / 8mm, Soil bearing capacity of 10 T/Sqm, Anchor plate with cost and conveyance of all above materials including labour charges for errection of High Mast and Carraige etc complete.	4.00	Nos		
55	Supply and Transportation of Induction Type Flood light luminaire of following capacities comprises of single piece die cast Aluminium body and IP65 protection of including Induction lamp and ballast etc., Complete. Make: Crompton / Bajaj / Phillips / Surya / LVD RAES.	16.00	Nos		
56	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.	437.00	Nos		
	Supply of different sizes of M. S. Pipe brackets (Rate per K.G)	437.00	_		
58	Supply and transportation of 18W to 20W street light luminaire made of pressure diecast alluminium body with powder coated, having toughned 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 temprature < 85 degree centegrade of IP 65 with optics, total hormonic destortion 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.	437.00	Nos		
	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.	4500.00	1 Rmt		
60	Supply of 10 Sqmm 4 core XLPE insulated,1100V grade Armoured Alluminium Cable as per specification confirming to IS:7098 (part-1) of makes polycab / KEI / RPG /Finolex /Havells /Paragon / V-Guard / Fortune Art / Gloster /Suncab.	4500.00	1 Rmt		
61	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")	16.00	Nos		
62	Supply and fixing suitable feeder piller 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.	4.00	Nos		
63	Providing independent earthling 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 acessories 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.	12.00	Job		
64	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.	6000.00	Rmt		
	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 /		Each		
66	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 hormonic distorrtion 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)	4.00	Each		



SI. No	Description of Item	Qty	Unit	Rate	Amount
67	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	2.00	Each		
I.PLAN	NTER BOX				
68	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	50.00	Cum		
69	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)	22.00	Cum		
70	Supply and construction of Brick masonry of required thick for walls in foundation/super structure, foundation, parapet walls with cement mortar (1:6) prop (Cement:sand) using Bricks second class or ground moulded (Non-Modular or traditional size) 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. for:-Brick Masonry in CM 1:6 (Country) finished item of work as per GFC drawings issued by the Employer.	118.00	Cum		
71	Providing, spreading and fixing Cobble Stone Block flooring with 100x100x100mm hard granite blocks dressed neatly over 15mm thickness cement mortar (1:4) and joints filled duly to hold the blocks in design pattern 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 stones etc., complete, including Seigniorage charges, complete for finished item of work	500.00	Sqm		
72	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.	500.00	Sqm		
73	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	115.00	Sqm		
74	Supply, Laying, Filling, levelling and consolidation of Gravel blended with Gravel 70% and Sand 30% brought from approved quarry including cost and conveyance of gravel and sand and all labour charges for sectioning, ramming, watering etc. complete including	972.00	cum		
J.Inter	nal parking bays				
75	Filling sand under foundation concrete including cost and conveyance of sand from approved source and labour charges for sectioning, ramming,watering and compacting etc., copmplete for finished item of work.	68.00	Cum		



SI. No	Description of Item	Qty	Unit	Rate	Amount
76	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)	168.00	Cum	-	
77	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.	1680.00	Sqm		
	ernal Footpath		ı		
78	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)	160.00	Cum		
79	Filling sand under foundation concrete including cost and conveyance of sand from approved source and labour charges for sectioning, ramming,watering and compacting etc., copmplete for finished item of work.	110.00	Cum		
80	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)	160.00	Cum		
81	Supply and fixing C.C. Kerbs (Pre casted) not less than M30 strength, of size 600 X 400 X 110 mm thick with bottom thickness of 110 mm upto height of 350 mm and top width of 60 mm thick chamfering at starts at 350 mm height to 400 mm as per GFC drawings issued by the Employer can be laid existing CC Bed	1427.00	Rmt		
82	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, includind cost and convenyance of all materials to work site and all operational, incidental, labour charges	1073.00	Sqmt		
83	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	1070.00	Sqm		
	dors Zone	44.00	F 1	1	
84 M Chil	South side Vendors dern play Area	11.00	Each		
	Filling with carted coarse sand in trenches, sides of foundations and basement with initial lead in layers not exceeding 15cm thick, watering and ramming including cost and conveyance of water to work site and all peraitonal, incidental, labour charges, hire charges of T&P etc., and overheads & contractors profit complete for fnished item of work as per GFC drawings issued by the Employer (APSS NO.309&310)	646.00	Cum		



SI. No	Description of Item	Qty	Unit	Rate	Amount
86	Providing Stainless steel railing using stainless tubes, sections, plates, sheets and pipes of required sizes of 202 grade including labour charges for fabrication using stainless steel welding rods including buffing, polishing, lacquer finishing to present seamless finish etc. complete. for all round play equipment area including all fixtures etc as per GFC drawings issued by the Employer	2000.00	kgs		
N. Cr 87	nildren Play Equipment Supply.delivery and fixing in position of (6seat fiber) of capacity 6				
67	kids of size 5 x 5 x 5 Feet the seats are fabricated and covered with fibre along with pigment paints, handles made with stain less steel the materials used in ride are of dia 75&32mm class B pipes including all cost, conveyance of materials and all labour charges etc. complete as directed by the Departmental authorities	2.00	Nos		
88	Supply.delivery and fixing in position of Sea-Saw of capacity 4 kids of size 8 x 3 x 5 Feet of dia 48mm&32mm class-B pipes Cross pipes are fabricated with double plates for detachable purpose along with seamless pipe bushes seats fabricated and covered with Fiber along with pigment paints including all cost, conveyance of materilas and all labour charges etc. complete as directed by the Departmental authorities.	2.00	Nos		
89	Supply.delivery and fixing in position of double swing of capacity two seats 10 x 5 x 8 Feet bearing system type center pipe was fabricated with semless bushes with diagonal supports of 2 inch dia. Class B pipes and seats fabricated and covered with Fiber including all cost, conveyance of materilas and all labour charges etc. complete as directed by the Departmental authorities.	2.00	Nos		
90	Supply.delivery and fixing in position of slide with lader (fiber slide 10Ft) power free of size 15 x 2 x 6 Feet, the stand made with 60mm & 32mm dia class B pipes the slide is fabricated and covered with fibre along with FRP with pigment body including all cost,	2.00	Nos		
91	Supply.delivery and fixing in position of Multy play system(2 stage) including all cost, conveyance of materilas and all labour charges etc. complete as directed by the Departmental authorities.	2.00	Nos		
92	Providing and placing of Dust bins S.S Make	21.00	Each		
93	Providing and placing Slogan boards of S.S material	40.00	Each		
0.0A1		10100		<u> </u>	
94	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	89.00	Sqm		
95	Providing and fixing Cobble Stone Textured locally available stone cladding over 15mm thickness cement mortar (1:4) including near cement slurry of honey like consistency spread @ 3.3 kgs per sqm as directed by the Engineer and as per the GFC drawing given by the Employer including cost of all materials like cement, sand water	82.00	Sqm		
96	ance Development  Earth work excavation for foundations (Manual Means) of building				
90	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	67.00	Cum		
97	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. 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 pas per GFC drawings issued by the Employer (APSS No. 402)	44.00	Cum		

Rehabilitation and Devel 11 402)



SI. No	Description of Item	Qty	Unit	Rate	Amount
98	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 & SCAFFOLDINGcost 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)				
	For footings	11.00	Cum		
	For Pedastals	2.00	Cum		
	For Columns	6.00	Cum		
	For Beams	2.00	Cum		
	For Slab 115mm thick	63.00	Sqm.		
99	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 insidental, 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)	6498.00	Kgs		
100	Supply and construction of Brick masonry 230 mm thick for walls in super structure, foundation, parapet walls with cement mortar (1:6) prop (Cement:sand) using Bricks second class or ground moulded (Non-Modular or traditional size) 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. for:-Brick Masonry in CM 1:6 (Country) finished item of work as per GFC drawings issued by the Employer.	135.00	Cum		
101	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.	122.00	Sqm		
102	Plastering to ceiling 12 mm thick in two coats with base coat of 8mm thick in CM (1:5) 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 seigniorage charges, 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 RCC exposed faces for finished item of work. (SS 901,903 & 904) for:-Ceiling and internal Plastering 2/c in CM (1:3) & (1:5): 12 mm	81.00	Sqm		



SI. No	Description of Item	Qty	Unit	Rate	Amount
103	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	82.00	Sqm		
104	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.	72.00	Sqm		
105	Supply delivery and fixing in position of M S Iron grill work for gates of any design (Sliding / Revolving / Swinging etc) 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 as per GFC drawings issued by the Employer	840.00	kgs		
106	Painting to new Steel works with 2 coats of approved synthetic enamel paint of approved brand and shade to give an even shade after thoroughly cleaning and sand papering the surface to remove all dirt and remains, including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc. complete for finished item of work for:-Painting to steel work - Synthetic enamel paint to New steel Work - 2 coats as per GFC drawings issued by the Employer	53.00	Sqm		
107	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	152.00	Sqm		
108	Supply and fixing Teak Wood framed FLUSH Doors double shutter door with prelaminated flush shutter as per approved drawings with best quality 2nd class teakwood frame of size 125x75mm and flush door shutters of 35 mm thick solid bond wood block board type with both side with commercial ply as per drawing including fixing of 6 Nos. MS Z hold fasts, including cost of applying bitumen primer for frame along masonry side, cost of 4 nos of 125mm long MS butt hinges of 1st quality, 40 NOs of 1 1/2" long netted fold screws, and all the necessary fixtures, cost of coneyance of all materials, labour charges etc complete as directed by dept. (APSS no 1001 & 1002) and as per the GFC drawing given by the Employer	6.00	Sqm		
109	Supplying and fixing of Unplasticised Poly Vinyl Chloride (UPVC) sliding windowsdoors three track - only two glass shutters sliding - 95 -Series duly manufactured using UPVC reinforced profiles of 95.50 mm x 60 mm x 2.25 mm for outer frames, 66 mm x 42 mm x 2.25 mm for sliding door shutter frames capable of mounting single glazing system, structurally reinforced with hot dip galvanized up to 50 microns of minimum thickness of 1.2 mm prefabricated & welded through fusion welding the window sash shall be fitted with 5 mm thick clear float glass of reputed make duly fixed with EPDM weathering seal resistant accessories like clipping locking system made of aluminium 1 No., per set of sashes and the system is to be installed at the site using anchor fasteners, silicon rubber sealant, easy glazing/ deglazing at site etc., including cost and conveyance of all materials, accessories, labour charges for transportation, erection at site with templates for casement sizing complete for finished item of work as per the GFC drawing given by the Employer	5.00	Sqm		



Providing and Ixing Mangalore lite rooting above sloped roofs including all necessary fittings and fixtures as per the GFC drawing given by the Employer including cost of all materials like coment, sand water and tiles, labour etc., at all heights complete, including Seigniorage charges, complete for finished item of work.    Providing, fabricating and fixing Cattle Trap of required size in M.S. angles and Pipes including all necessary accessories as per the GFC drawing given by the Employer including cost of all materials, labour etc., at all heights complete, including Seigniorage charges, complete for finished item of work.    Set	SI. No	Description of Iter	m		Qty	Unit	Rate	Am
angles and Pipes including all necessary accessories as per the GFC drawing given by the Employer including cost of all materials, labour etc., at all heights complete, including Seigniorage charges, complete for finished item of work.  112 Earth work excavation in ordinary soils and depositing on bank with an initial lead of 10m and initial lift of 2mts in form and clay soils like black cotton soil, red earth and ordinary gravel etc., complete as per GFC drawings issued by the Employer and overheads & contractors profit complete for finished item of work etc., as per SS 20 B(APS'S 308).  113 Construction of Grannular sub-;base by [providing well graded material/ close graded materials spreading in uniform layers with mortor grade on prepared surface mixing by mix in place method with rotovator with at OMC and compeacing with smooth wheeled rollewer 80-100 KNiv/bratory roller to ach/leve the desired density complete as per technical specification.  114 Providing, laying, spreading and compacting graded stone aggregates to wer mix macadam, specification including premixing the material with water at OMC in mechanical mixer (Pug mill) carriage of mixed material by tipper to site, laying in uniform layers in sub-base /hase course on a well prepared sub-base and compacting with smooth wheel roller of 80 to 100 KNi vibratory roller 80-100 KN weight to achieve the desired density including lighting, barricading and maintenance of direvision etc., asjept ribble 400.11; 400.12 and technical specification clause 405 MORTH.  115 Providing and applying primer oat with bitumen emulsion (Medium setting) on prepared surface of grannular base including cleaning of road surface and spraying primer at the rate of .60 Kg/Sgm using mechanical means as per technical specification no. 502 MORTH.  116 Providing and applying tack cost with bitumen emulsion (Medium setting) on prepared surface of grannular base including cleaning of road surface and spraying primer and trate of .60 Kg/Sgm using mechanical means as per technical specif	110	including all necessary fittings and fixtures in given by the Employer including cost of all in sand water and tiles, labour etc., at all heigh	as per the GFC do materials like cem nts complete, inclu	rawing nent,	63.00	Sqm		
Earth work excavation in ordinary soils and depositing on bank with an initial lead of 10m and initial lift of 2mts in form and clay soils like black cotton soil, red earth and ordinary gravel ect. complete as per GFC drawings issued by the Employer and overheads & contractors profit complete for finished item of work etc., as per SS 20 B(APSS 308)  113   Construction of Grannular sub-; base by [providing well graded material/ close graded materials spreading in uniform layers with mortor grade on prepared surface mising by mix in place method with rotovator with at OMC and compaction gwith smooth wheeled rollewer 80-100 KNi/vibratory roller to achieve the desired density complete as per technical specification.  114   Providing, laying, spreading and compacting graded stone aggregates to wet mix macadam, specification including premixing the material with water at OMC in mechanical mixer (Pug mill) carriage of mixed material by tipper to stie, laying in uniform layers in sub-base /base course on a well prepared sub-base and compacting with smooth wheel roller of 80 to 100 KN/ vibratory roller 80-100 KN weight to achieve the desired density including lighting, barricading and maintenance of direvsion etc., as[per trible 400.11; 400.12 and technical specification clause 405 MORTH.  115   Providing and applying primer coat with bitumen emulsion (Medium setting) on prepared surface of grannular base including cleaning of road surface and spraying primer at her tare 0.60 kg/sgm using mechanical means as per technical specification no. 502 MORTH.  116   Providing and applying tack coat with bitumen emulsionusing emulsion pressure distributor at the rate of 0.20 kg per sgm on the prepared bitumenous/granular surface eiter complete as per specification of specification no. 503 MORTH.  117   Providing and laying bituminous macadam with 40-60 TPH hot mix per per per bitumenous/granular surface eiter complete as per specification clause 504 MORTH (using vibrator roller 80-100 KN for intermediate rolling and wheel rolle		angles and Pipes including all necessary ac GFC drawing given by the Employer includi labour etc., at all heights complete, including complete for finished item of work	cessories as per ing cost of all mat	the erials,	1170.00	kgs		
an initial lead of 10m and initial lift of 2mts in lomi and clay soils like black cotton soil, red earth and ordinary gravel ect., complete as per GPC drawings issued by the Employer and overheads & contractors profit complete for finished item of work etc., as per SS 20 B(APSS 308)  113 Construction of Grannular sub-; base by [providing well graded material/ close graded materials spreading in uniform layers with mortor grade on prepared surface mixing by mix in place method with rotovator with at OMC and compacting with kind mortor grade on prepared surface mixing by mix in place method vith rotovator with at OMC and compacting with kind with rotovator with at OMC and compacting with with compacting with with a compacting graded stone aggregate as per technical specification.  114 Providing, laying, spreading and compacting graded stone aggregates to wet mix macadam, specification including premixing the material with water at OMC in mechanical mixer (Pug mill) carriage of mixed material by tipper to site, laying in uniform layers in sub-base base course on a well prepared sub-base and compacting with smooth wheel roller of 80 to 100 KN/ vibratory roller 80-100 KN weight to achieve the desired density including lighting, barricading and maintenance of direvsion etc., as[per trible 400.11; 400.12 and technical specification clause 405 MORTH.  115 Providing and applying primer coat with bitumen emulsion (Medium setting) on prepared sufface of grannular base including cleaning of road surface and spraying primer at the rate of 0.20 kg/Sgm using emulsion pressure distributor at the rate of 0.80 kg/Sgm using emulsion pressure distributor at the rate of 0.80 kg/Sgm using emulsion pressure distributor at the rate of 0.80 kg/Sgm using emulsion pressure distributor at the rate of 0.80 kg/Sgm using emulsion pressure distributor at the rate of 0.80 kg/Sgm using emulsion pressure distributor at the rate of 0.80 kg/Sgm using emulsion pressure distributor at the rate of 0.80 kg/Sgm using emulsion pressure distributors at t			dan akkan an ban	-1:41-		1		T
material/ close graded materials spreading in uniform layers with mortor grade on prepared surface mixing by mix in place method with rotovator with at OMC and compactiong with smooth wheeled rollewer 80-100 KNI/vibratory roller to achieve the desired density complete as per technical specification.  114 Providing, laying, spreading and compacting graded stone aggregates to wet mix macadam, specification including premixing the material with water at OMC in mechanical mixer (Pug mill) carriage of mixed material by tipper to site, laying in uniform layers in sub-base /base course on a well prepared sub-base and compacting with smooth wheel roller of 80 to 100 KN/ vibratory roller 80-100 KN weight to achieve the desired density including lighting, barricading and maintenance of direvsion etc., as[per trible 400.11; 400.12 and technical specification clause 405 MORTH.  115 Providing and applying primer coat with bitumen emulsion (Medium setting) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.20 kg/pcm using mechanical means as per technical specification no. 502 MORTH.  116 Providing and applying tack coat with bitumen emulsionusing emulsion pressure distributor at the rate of 0.20 kg per sgm on the prepared bitumenous/granular surface ietc complete as per specification no. 503 MORTH.  117 Providing and laying bituminous macadam with 40-60 TPH hot mix plant using crushesd aggregates of grading as per table 500.4 premixed with bituminbous binder, transported to site up to a lead of 1000m laid over a previpouslyu prepared surface with paver finisher to the required grade, level and alignmentand rolled to achieved the desired compaction as per technical specification clause 504 MORTH (using vibrator roller 80-100 KN of intermediate rolling and wheel roller 80-100 KN for infitial and final rolling.  118 Providing, laying of close graded premix surfacing material ( Mixed seal surfacing) of 20 mm thickness by hot mix plant using HBG crushed aggregates of 13.2	112	an initial lead of 10m and initial lift of 2mts in black cotton soil, red earth and ordinary gradeFC drawings issued by the Employer and profit complete for finished item of work etc.	n lomi and clay so vel ect complete overheads & cont	ils like as per ractors	1080.00	Cum		
aggregates to wet mix macadam, specification including premixing the material with water at OMC in mechanical mixer (Pug mill) carriage of mixed material by tipper to site, laying in uniform layers in sub-base /base course on a well prepared sub-base and compacting with smooth wheel roller of 80 to 100 KN/ vibratory roller 80-100 KN weight to achieve the desired density including lighting, barricading and maintenance of direvision etc., as[per trible 400.11; 400.12 and technical specification clause 405 MORTH.  115 Providing and applying primer coat with bitumen emulsion (Medium setting) on prepared surface of grannular base including cleaning of road surface and spraying primer at the rate of 0.60 kg/Sqm using mechanical means as per technical specification no. 502 MORTH.  116 Providing and applying tack coat with bitumen emulsionusing emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bitumenous/granular surface ietc complete as per specification no. 503 MORTH.  117 Providing and laying bituminous macadam with 40-60 TPH hot mix plant using crushesd aggregates of grading as per table 500.4 premixed with bituminbous binder, transported to site up to a lead of 1000m laid over a previopouslyb prepared surface with paver finisher to the required grade, level and alignmentand rolled to achieved the desired compaction as per technical specification clause 504 MORTH (using vibrator roller 80-100 KN of intermediate rolling and wheel roller 80-100 KN for inifitial and final rolling.  118 Providing , laying of close graded premix surfacing material ( Mixed seal surfacing) of 20 mm thickness by hot mix plant using HBG crushed aggregates of 13.2mm to 0.09mm (Type 18) as per table 500-26 of specification 512 of MoRT&H (4th Revision), premixed with bituminous binder CRMB grade @ 23.75 Kg per 10 Sqm area, including cost and (excluding seigniorage) of all materials and transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with	113	material/ close graded materials spreading in mortor grade on prepared surface mixing by with rotovator with at OMC and compaction of rollewer 80-100 KN/vibratory roller to achieve	in uniform layers was mix in place metly with smooth whe	with hod eeled	620.00	Cum		
setting) on prepared surface of grannular base including cleaning of road surface and spraying primer at the rate of 0.60 kg/Sqm using mechanical means as per technical specification no. 502 MORTH.  116 Providing and applying tack coat with bitumen emulsionusing emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bitumenous/granular surface ietc complete as per specification no. 503 MORTH.  117 Providing and laying bituminous macadam with 40-60 TPH hot mix plant using crushesd aggregates of grading as per table 500.4 premixed with bituminbous binder, transported to site up to a lead of 1000m laid over a previopouslyu prepared surface with paver finisher to the required grade, level and alignmentand rolled to achieved the desired compaction as per technical specification clause 504 MORTH (using vibrator roller 80-100 KN of intermediate rolling and wheel roller 80-100 KN for iniftial and final rolling.  118 Providing, laying of close graded premix surfacing material (Mixed seal surfacing) of 20 mm thickness by hot mix plant using HBG crushed aggregates of 13.2mm to 0.09mm (Type 'B') as per table 500-26 of specification 512 of MoRT&H (4th Revision), premixed with bituminous binder CRMB grade @ 23.75 Kg per 10 Sqm area, including cost and (excluding seigniorage) of all materials and transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled roller 8 to 10 Tonnes as per MoRT&H Specification 512 (4th Revision) complete for finished item of work in all respects as directed by Engineer-in-charge.  R.Fountain Re-development  119 Fountain  1.00 Job  1.00 Job  1.00 Job  1.00 Job  1.00 Job	114	Providing, laying, spreading and compacting aggregates to <b>wet mix macadam</b> , specific premixing the material with water at OMC (Pug mill) carriage of mixed material by the uniform layers in sub-base /base course sub-base and compacting with smooth which with the compacting with smooth with the compacting with smooth with the compacting with smooth with the compacting with t	cation including in mechanical in mechanical in ipper to site, laying on a well prepary wheel roller of 80 at to achieve the ading and mainte	ng in ed to enance	420.00	Cum		
emulsion pressure distriibutor at the rate of 0.20 kg per sqm on the prepared bitumenous/granular surface ietc complete as per specification no. 503 MORTH.  117 Providing and laying bituminous macadam with 40-60 TPH hot mix plant using crushesd aggregates of grading as per table 500.4 premixed with bituminbous binder, transported to site up to a lead of 1000m laid over a previopouslyu prepared surface with paver finisher to the required grade, level and alignmentand rolled to achieved the desired compaction as per technical specification clause 504 MORTH (using vibrator roller 80-100 KN of intermediate rolling and wheel roller 80-100 KN for iniftial and final rolling.  118 Providing , laying of close graded premix surfacing material ( Mixed seal surfacing) of 20 mm thickness by hot mix plant using HBG crushed aggregates of 13.2mm to 0.09mm (Type 'B') as per table 500-26 of specification 512 of MoRT&H (4th Revision), premixed with bituminous binder CRMB grade @ 23.75 Kg per 10 Sqm area, including cost and (excluding seigniorage) of all materials and transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled roller 8 to 10 Tonnes as per MoRT&H Specification 512 (4th Revision) complete for finished item of work in all respects as directed by Engineer-in-charge.  R.Fountain Re-development  119 Fountain  S. Dismantling the Existing Buildings  1.00 Job  T. Supply of Inspection Vehicles:	115	setting) on prepared surface of grannular ba road surface and spraying primer at the rate	ase including clear of 0.60 kg/Sqm u	ning of using	2060.00	Sqm		
Providing and laying bituminous macadam with 40-60 TPH hot mix plant using crushesd aggregates of grading as per table 500.4 premixed with bituminbous binder, transported to site up to a lead of 1000m laid over a previopouslyu prepared surface with paver finisher to the required grade, level and alignmentand rolled to achieved the desired compaction as per technical specification clause 504 MORTH (using vibrator roller 80-100 KN of intermediate rolling and wheel roller 80-100 KN for iniftial and final rolling.  Providing, laying of close graded premix surfacing material ( Mixed seal surfacing) of 20 mm thickness by hot mix plant using HBG crushed aggregates of 13.2mm to 0.09mm (Type 'B') as per table 500-26 of specification 512 of MoRT&H (4th Revision), premixed with bituminous binder CRMB grade @ 23.75 Kg per 10 Sqm area, including cost and (excluding seigniorage) of all materials and transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled roller 8 to 10 Tonnes as per MoRT&H Specification 512 (4th Revision) complete for finished item of work in all respects as directed by Engineer-in-charge.  R.Fountain Re-development  119 Fountain  S. Dismantling the Existing Buildings  120 Dismantling of existing structures like  T. Supply of Inspection Vehicles:	116	emulsion pressure distriibutor at the rate of prepared bitumenous/granular surface ieto	0.20 kg per sqm o		2060.00	Sqm		
seal surfacing) of 20 mm thickness by hot mix plant using HBG crushed aggregates of 13.2mm to 0.09mm (Type 'B') as per table 500-26 of specification 512 of MoRT&H (4th Revision), premixed with bituminous binder CRMB grade @ 23.75 Kg per 10 Sqm area, including cost and (excluding seigniorage) of all materials and transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled roller 8 to 10 Tonnes as per MoRT&H Specification 512 (4th Revision) complete for finished item of work in all respects as directed by Engineer-in-charge.    R.Fountain Re-development	117	Providing and laying bituminous macadam value plant using crushesd aggregates of grading premixed with bituminbous binder, transport 1000m laid over a previopouslyu prepared sfinisher to the required grade, level and alignachieved the desired compaction as per tecclause 504 MORTH (using vibrator roller 80)	as per table 500.4 ted to site up to a surface with paver nmentand rolled to hnical specification-100 KN of interm	4 lead of o	104.00	Cum		
119 Fountain  S. Dismantling the Existing Buildings  120 Dismantling of existing structures like  T. Supply of Inspection Vehicles:	118	seal surfacing) of 20 mm thickness by hot recrushed aggregates of 13.2mm to 0.09mm 500-26 of specification 512 of MoRT&H (4th with bituminous binder CRMB grade @ 23.7 including cost and (excluding seigniorage) transporting the hot mix to work site, laying finisher to the required grade, level and aligismooth wheeled roller 8 to 10 Tonnes as pessented.	nix plant using HI (Type 'B') as per nevision), preminer S Kg per 10 Sqm of all materials an with mechanical proment, rolling with MoRT&H Specifical parts.	BG table xed area, d eaver	2060.00	Sqm		
S. Dismantling the Existing Buildings  120 Dismantling of existing structures like  T. Supply of Inspection Vehicles:					4.00			I
120 Dismantling of existing structures like 1.00 Job  T. Supply of Inspection Vehicles:					1.00	Job		
T. Supply of Inspection Vehicles:					1.00	Joh		
ppm <b>d2</b> ⊈ Vivekan-® പ്രൂഷ്യ of Inspection Vehicles: 1.00 Job	Т							



SI. No	Description of Item	Qty	Unit	Rate	Amount
	Grand Total				