

KITCO LIMITED
NATIONAL GAMES SECRETARIAT
BALANCE CIVIL WORKS FOR THE RENOVATION WORKS AT NANNIYODE SWIMMING POOL
SPECIFICATION AND SCHEDULE OF QUANTITIES

Sl.No	Description Of Items	Unit	Qty	In figure	Rate in words	Amount(Rs)
SH :1 EARTHWORK						
1.01	Clearing grass and removal of the rubbish up to a distance of 50 m outside the periphery of the area cleared.	sqm	220.00	4.10	Rupees Four And Paise Ten Only	902
1.02	Earth work in excavation by means (Hydraulic excavator)/manual means in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within the site as directed by the Engineer- in-Charge. All kinds of soil	cum	9.00	204.59	Rupees Two Hundred Four And Paise Fifty Nine Only	1841
TOTAL OF SUB HEAD -1.0						2743
(SH: - 2.0 - CONCRETE WORK)						
2.01	Providing and laying cement concrete of specific grade properly mixed and consolidated with hand rammers, including cost and conveyance of all materials, labour, curing, lead lift , etc. complete for all work up to plinth levels as directed by Engineer- in-Charge.					
2.01.01	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	cum	11.00	5410.50	Rupees Five Thousand Four Hundred Ten And Paise Fifty Only	59516
2.01.02	1:2:4 (1 Cement : 2coarse sand : 4 graded stone aggregate 20mm nominal size)	cum	10.00	6791.95	Rupees Six Thousand Seven Hundred Ninety One And Paise Ninety Five Only	67920
TOTAL OF SUB HEAD -2.0						127436

Sl.NO	Description Of Items	Unit	Qty	In figure	in words	Amount(Rs)
(SH: - 3.0 - R.C.C. WORK)						
3.01	Providing and laying in position machine batched, machine mixed and machine vibrated design mix M-25 grade cement concrete for reinforced cement concrete using cement content as per approved design mix including pumping of concrete to site of laying but, excluding the cost of centering, shuttering, finishing and reinforcement including admixtures in recommended proportion (as per IS 9103) to accelerate,retard setting of concrete to improve workability without impairing strength and durability as per direction of Engineer-in-Charge .Minimum cement content considered in this item is @ 330 kg/cum All work upto plinth level.	cum	3.00	7872.14	Rupees Seven Thousand Eight Hundred Seventy Two And Paise Fourteen Only	23616
3.02	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding with 16 gauge GI binding wire etc complete including cost, conveyance, lead, lift of all materials for all types of RCC works up to plinth level as per drawing/specification and as directed by Engineer-in-Charge at all levels. Thermo-Mechanically Treated bars	kg	300.00	91.77	Rupees Ninety One And Paise Seventy Seven Only	27531
3.03	Centering and shuttering including strutting, propping etc. and removal of form for : Foundations, footings, bases of columns etc. for mass concrete.	sqm	28.00	257.23	Rupees Two Hundred Fifty Seven And Paise Twenty Three Only	7202
TOTAL SUB HEAD-3.0						58349

Sl.No	Description Of Items	Unit	Qty	In figure	in words	Amount(Rs)
(SH: - 4.0 - MASONRY WORK)						
4.01	Providing and constructing 115mm thick brick masonry in CM 1:4 (1 cement, 4 coarse sand) in partition walls, parapets, etc. with bricks of standard sizes and of approved quality (average compressive strength not less than 50 Kg/cm ²) including scaffolding, raking out of joints, curing, cost and conveyance of all materials, lead, lift, etc. complete including providing 2 Nos. of 6mm dia bars as reinforcement at every third layer wherever specified (Reinforcement shall be measured and paid for under relevant item) and as directed by Engineer-in-Charge	sqm	30.00	894.10	Rupees Eight Hundred Ninety Four And Paise Ten Only	26823
4.02	Extra for providing and placing in position 2 Nos. 6 mm dia M.S. bars at every third course of single block masonry at all levels including cost and conveyance of MS bars etc complete as directed by Engineer-in-Charge	sqm	30.00	95.91	Rupees Ninety Five And Paise Ninety One Only	2877
4.03	Providing and constructing brick masonry in C.M 1:6 (1 cement, 6 coarse sand) with country burnt bricks of 22.9x11.2x7 cm size and approved quality (average compressive strength not less than 35 kg/cm ²) including scaffolding, raking out of joints, curing, cost and conveyance of all materials, labour, lead, lift, etc. complete for foundation, trenches, basement etc. below highest plinth level as directed by Engineer-in-Charge at all levels	cum	4.00	5755.64	Rupees Five Thousand Seven Hundred Fifty Five And Paise Sixty Four Only	23023
TOTAL SUB HEAD 4.0						52723
(SH: - 5.0 - JOINERY WORKS)						
5.01	Providing and fixing glazing in aluminium doors, windows, ventilator shutters, partitions etc. with PVC/ neoprene gasket etc. complete as per the architectural drawings and the direction of Engineer-in-Charge at all levels with float glass panes of 4.00mm thickness	sqm	6.00	1090.20	Rupees One Thousand Ninety And Paise Twenty Only	6541
TOTAL OF SUB HEAD-5.0						6541

Sl.No	Description Of Items	Unit	Qty	In figure	in words	Amount(Rs)
(SH: - 6.0 - STEEL WORK)						
6.01	Structural steel work welded in built up sections, trusses and framed work including cutting, hoisting, fixing in position and applying two coats of Synthetic enamel paint over two coats of anticorrosive Yellow zinc chromate primer including cost and conveyance of all materials, labour charges, lead, lift etc complete as directed by Engineer-in-Charge at all levels.	kg	423.00	103.08	Rupees One Hundred Three And Paise Eight Only	43603
6.02	Structural steel work welded in single sections, trusses and framed work including cutting, hoisting, fixing in position and applying two coats of Synthetic enamel paint over two coats of anticorrosive Yellow zinc chromate primer including cost and conveyance of all materials, labour charges, lead, lift etc complete as directed by Engineer in Charge at all levels.	kg	1369.00	95.28	Rupees Ninety Five And Paise Twenty Eight Only	130438
6.03	Providing and fixing hand rail using Medium class MS pipe of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved					
6.03.01	- Do using G.I. B class pipes	kg	42.00	145.11	Rupees One Hundred Forty Five And Paise Eleven Only	6095
TOTAL OF SUB HEAD-6.0						180136
(SH: - 7.0 - FLOORING WORK)						
7.01	Providing and laying Ceramic antiskid floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), including pointing the joints with white cement and matching pigment etc., complete as directed by the Engineer in Charge at all levels.	sqm	23.00	1012.27	Rupees One Thousand Twelve And Paise Twenty Seven Only	23282

Sl.No	Description Of Items	Unit	Qty	In figure	in words	Amount(Rs)
7.02	Providing and fixing Ist quality ceramic glazed tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade	sqm	45.00	1095.17	Rupees One Thousand Ninety Five And Paise Seventeen Only	49283
7.03	Supplying and laying approved quality and size pressed cement tiles 20mm thick in CM 1:4 (1 cement: 4 course sand), 20mm thick including cost and conveyance of all materials and labour, lead, lift, joints finished with white cement mixed with pigment of matching shade etc as directed by the Engineer in charge (colour of tiles, laying pattern etc to be got approved by the Engineer-in-Charge).	sqm	180.00	891.62	Rupees Eight Hundred Ninety One And Paise Sixty Two Only	160492
7.04	Supplying and fixing FRP Gratings (using I sections of size 30mm height and 15mm width, at 45mm c/c and connected using 10mm dia. FRP rod at 150mm c/c, to a standard width of 400mm and 3m length) of approved make and pattern for the overflow gutters. The rate to include cost of all materials, taxes, labour, lead conveyance etc complete	m	100.00	2754.56	Rupees Two Thousand Seven Hundred Fifty Four And Paise Fifty Six Only	275456
TOTAL OF SUB HEAD-7.0						508512

(SH: - 8.0 - ROOFING WORK)

8.01 Providing and laying profiled sheeting 970mm to 1000mm cover width, 26/28mm crest height at 195-200mm centers, made out of '0.5mm TCT, Cold Rolled steel of 550 Mpa yield strength conforming to ASTM A 368 or AS 1595 with hot dip metallic coating 'of minimum 150gm/Sqm zinc-aluminium alloy coating mass (55% Aluminium, 43.5% zinc and 1.5% Silicon) total of both size as 'per ASTM A 792 or AS1397. The colour shall have a total coating thickness of 35microns of polyester paint system as per 'AS/NZS - 2728:1997 (category 3) of approved colour, comprising of 20 microns exterior

Sl.NO	Description Of Items	Unit	Qty	In figure	in words	Amount(Rs)
	coat on top surface and 5 microns reverse 'coat on back surface over 5 microns primer coat on both surfaces. Roofing sheet shall be factory cut and required length of '(up to 12mtr) to suite site conditions and design drawings. Roofing sheet shall be crest fixed to purlines with hot dip 'galvanized self drilling fastners with integral EPDM washers (one fastner on each crest) also, fastners to be provided on side laps. 'Minimum sheet overlap at end laps shall be 150mm. Penetration and end laps in sheet shall be sealed by using proper sealant. 'Profiled HDPE fillers shall be provided wherever required to close voids between capings and troughs of the sheet to provide a 'weather tight exterior. Rate shall include cost and conveyance of all materials, lead, lift, scaffolding, all labour charges, making the roof water tight with required sealent etc complete at all level and as directed by Engineer-in-Charge.	sqm	108.00	917.59	Rupees Nine Hundred Seventeen And Paise Fifty Nine Only	99100
TOTAL OF SUB HEAD-8.0						99100
(SH: - 9.0 - FINISHING WORK)						
9.01	15mm cement plaster of mix 1:4 (1 cement : 4 fine sand)including cost and conveyance of all materials, labour charges, scaffolding, sundries etc complete as directed by the Engineer in charge at all levels.	sqm	44.00	232.60	Rupees Two Hundred Thirty Two And Paise Sixty Only	10234
9.02	15mm cement plaster of mix, 1:3 (1 cement : 3 fine sand) finished with a floating coat of neat cement 2 kg/sqm including mixing water proofing material in separately).proportion recommended by manufacturer over roof at all heights including cost and conveyance of all materials, labour charges, scaffolding, sundries etc complete as directed by the Engineer in charge at all levels. (water proofing liquid will be paid separately)	sqm	90.00	314.02	Rupees Three Hundred Fourteen And Paise Two Only	28262
9.03	Applying one coat of water thinnable cement primer of approved brand and manufacture on all surface including cost and conveyance of all materials, labour charges, scaffolding, sundries etc complete as directed by the Engineer in charge at all levels.	sqm	44.00	43.54	Rupees Forty Three And Paise Fifty Four Only	1916

Sl.No	Description Of Items	Unit	Qty	In figure	in words	Amount(Rs)
9.04	Finishing walls with acrylic smooth exterior paint for new work (Two or more coat applied @1.67 ltr/10 sqm over and including base coat of water proofing cement paint applied @ 2.20kg/ 10sqm including cost and conveyance of all materials, labour charges, scaffoldings etc complete as directed by the Engineer in Charge at all levels.	sqm	44.00	107.78	Rupees One Hundred Seven And Paise Seventy Eight Only	4742
9.05	Providing and applying water proof cement paint of approved brand and colour two coats on walls after scraping and cleaning the surface including cost and conveyance of all materials,labour charges,hire charges for scaffolding etc.complete at all levels	sqm	513.00	75.07	Rupees Seventy Five And Paise Seven Only	38511
9.06	Painting the inside walls with ready mix plastic emulsion paint of approved quality two or more coats to smooth even finish on ceiling and walls including cost and conveyance of all materials to site, labour charges, hire charges for scaffolding, etc as directed by Engineer-in-Charge at all levels	sqm	100.00	98.88	Rupees Ninety Eight And Paise Eighty Eight Only	9888
9.07	Painting with synthetic enamel paint two or more coats of approved brand on wood work of approved brand and manufactures to give an even shade including cost and conveyance of all materials, labour charges, scaffolding, sundries etc complete as directed by the Engineer in charge at all levels.	sqm	87.00	87.01	Rupees Eighty Seven And Paise One Only	7570
TOTAL OF SUB HEAD-9.0						101123
(SH: - 10.0 - SANITARY INSTALLATION)						
10.01	Supplying, laying and jointing hard PVC pipes with PVC specials such as tees, bends, door bend, door tee, elbows,unions, etc. with clamps testing the lines rectifying any leakages or defects,etc. complete as directed by the Engineer-in-Charge for soil, waste, rain water,drains, vent pipe, etc. concealed or open at all levels including cost and conveyance of all materials, labour charges, sundries etc complete for internal work-exposed on walls as directed by the Engineer in charge					
10.01.01	75mm OD (6 kg/cm2)	m	15.00	297.99	Rupees Two Hundred Ninety Seven And Paise Ninety Nine Only	4470

Sl.No	Description Of Items	Unit	Qty	In figure	in words	Amount(Rs)
	TOTAL OF SUB HEAD-10.0					4470
	(SH: - 11.0 - DISMANTLING WORKS)					
11.01	Demolishing cement concrete manually/by mechanical means including disposal of material within 50 metres lead as per direction of Engineer-in-Charge.	cum	1.00	686.07	Rupees Six Hundred Eighty Six And Paise Seven Only	686
	TOTAL OF SUB HEAD-11.0					686
	GRAND TOTAL					1141819