

**KITCO LTD**  
**NATIONAL GAMES SECRETRIAT**  
**RENOVATION WORKS AT NANNIYODE SWIMMING POOL - OPTION 1**  
**SPECIFICATION AND SCHEDULE OF QUANTITIES**

SI.No	Description Of Items	Unit	Quantity	Rate(Rs)	Rate in words	Amount(Rs)
<b>SH :1 EARTHWORK</b>						
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	4.41	Rupees Four and Fourty One Paise only	970
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.					
1.02.01	All kinds of soil	cum	9	171.97	Rupees One Hundred and Seventy One and Ninety Seven Paise only	1548
1.03	Bailing out water from well with 5HP Engine and pump set including conveyance to the site and erection, cost of fuel, lubricating oil and other stores etc. complete as directed by the	hr	25	193.75	Rupees One Hundred Ninety Three and Seventy Five Paise only	4844
<b>TOTAL OF SUB HEAD -1.0</b>						<b>7362</b>

**(SH: - 2.0 - CONCRETE WORK)**

SI.No	Description Of Items	Unit	Quantity	Rate(Rs)	Rate in words	Amount(Rs)
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	78	5113.20	Rupees Five thousand One hundred Thirteen and Twenty Paise only	398830
2.02	Extra for providing and mixing water proofing liquid in cement concrete work, masonry work, plastering etc in the proportion recommended by the manufacturers including cost and conveyance of all materials, labour, curing, lead lift , etc. complete as directed by Engineer-in-Charge at all levels.	ltr	3	53.43	Rupees Fifty Three and Fourty Three Paise only	160
<b>TOTAL OF SUB HEAD -2.0</b>						<b>398990</b>

Sl.No	Description Of Items	Unit	Quantity	Rate(Rs)	Rate in words	Amount(Rs)
<b>(SH: - 3.0 - R.C.C. WORK)</b>						
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 (All work upto plinth level.	cum	3	7347.57	Rupees Seven thousand Three hundred Forty Seven and Fifty Seven Paise only	22043
<b>TOTAL SUB HEAD-3.0</b>						<b>22043</b>
<b>(SH: - 4.0 - MASONRY WORK)</b>						
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 <sup>2</sup> ) 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	sqm	5	672.47	Rupees Six hundred Seventy Two and Forty Seven Paise only	3362

SI.No	Description Of Items	Unit	Quantity	Rate(Rs)	Rate in words	Amount(Rs)
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	36	76.69	Rupees Seventy Six and Sixty Nine Paise only	2761
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 <sup>2</sup> ) 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	4985.05	Rupees Four thousand Nine hundred Eighty Five and zero five Paise only	19940
<b>TOTAL SUB HEAD 4.0</b>						<b>26063</b>
<b>(SH: - 5.0 - JOINERY WORKS )</b>						
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					
5.01.01	with float glass panes of 4.00mm thickness	sqm	4	890.46	Rupees Eight hundred Ninety and Forty Six Paise only	3562
<b>TOTAL OF SUB HEAD-5.0</b>						<b>3562</b>

Sl.No	Description Of Items	Unit	Quantity	Rate(Rs)	Rate in words	Amount(Rs)
<b>(SH: - 6.0 - STEEL WORK)</b>						
6.01	Structural steel work welded in built up sections,trussess 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	634	83.41	Rupees Eighty Three and Forty One Paise only	52882
6.02	Structural steel work welded in single sections,trussess and framed work including cutting, hoisting, fixing in position and <b>applying two coats of Synthetic enamel paint</b> 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	1099	77.43	Rupees Seventy Seven and Forty Three Paise only	85096
6.03	Supplying & fixing of G.I pipe for pillars of roof 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.					
6.03.01	75 mm dia	kg	42	586.75	Rupees Five Hundred Eighty Six and Seventy five Paise only	24644

SI.No	Description Of Items	Unit	Quantity	Rate(Rs)	Rate in words	Amount(Rs)
6.04	Stainless Steel work welded in built up sections/framed work including cutting hoisting, fixing in position and applying two coats of approved make and colour synthetic enamel paint over two coats of approved make anticorrosive yellow zinc chromate primer, etc. including cost and conveyance of all materials, labour, lead,lift etc. complete as directed by Engineer- in-Charge at all levels.					
6.04.01	In gratings, frames, guard bar, ladders, railings, brackets, gates & similar works.	kg	735	249.76	Rupees Two Hundred Forty Nine and Seventy Six Paise only	183574
<b>TOTAL OF SUB HEAD-6.0</b>						<b>346195</b>
<b>(SH: - 7.0 - FLOORING WORK)</b>						
7.01	Providing and laying Antiskid Ceramic floor tiles 300x300x7 mm of 1st quality conforming to IS : 15622 of approved make,shade,and pattern laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) and jointed with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc.including cost and conveyance of all materials,labour charges,lead,lift etc, complete as directed by the Engineer in Charge at all levels.(The purchase price of tiles should be taken as Rs.400/sqm and any deviation plus or minus in the purchase price in approved shade will be adjusted	sqm	308	951.98	Rupees Nine Hundred Fifty One and Ninety Eight Paise only	293210

SI.No	Description Of Items	Unit	Quantity	Rate(Rs)	Rate in words	Amount(Rs)
7.02	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	370	1067.36	Rupees One Thousand Sixty Seven and Thirty Six Paise only	394923
<b>TOTAL OF SUB HEAD-7.0</b>						<b>688133</b>

**(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 have shall have a total coating thickness iof 35microns of polyster paint system as per 'AS/NZS - 2728:1997 ( category 3 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.

SI.No	Description Of Items	Unit	Quantity	Rate(Rs)	Rate in words	Amount(Rs)
	'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	917.59	Rupees Nine Hundred Seventeen and Fifty Nine Paise only	99100
<b>TOTAL OF SUB HEAD-8.0</b>						<b>99100</b>
<b>(SH: - 9.0 - FINISHING WORK)</b>						
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	sqm	227	220.67	Rupees Two Hundred Twenty and Sixty Seven Paise only	50092
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	15	300.80	Rupees Three Hundred and Eighty Paise only	4512
9.03	Applying one coat of cement primer of approved brand and manufacture on wall 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	162	36.19	Rupees Thirty Six and nineteen Paise only	5863



SI.No	Description Of Items	Unit	Quantity	Rate(Rs)	Rate 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, scaffolding s etc complete as directed by the	sqm	162	86.00	Rupees Eighty Six only	13932
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	56.24	Rupees Fifty Six and Twenty Four paise only	28851
9.06	Painting with synthetic enamel paint two or more coats of approved brand 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	73.90	Rupees Seventy Three and Ninety paise only	6429
<b>TOTAL OF SUB HEAD-9.0</b>						<b>109679</b>

**(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					
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SI.No	Description Of Items	Unit	Quantity	Rate(Rs)	Rate in words	Amount(Rs)
10.01.01	63mm OD (6 kg/cm2)	m	15	254.68	Rupees Two Hundred Fifty Four and Sixty Eight paise only	3820
<b>TOTAL OF SUB HEAD-10.0</b>						<b>3820</b>
<b>(SH: - 11.0 - DISMANTLING WORKS)</b>						
11.01	Demolishing cement concrete manually/by mechanical means including disposal of material within 50 metres lead as per direction	cum	16	725.50	Rupees Seven Hundred Twenty Five and Fifty paise only	11608
11.02	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metre lead.  For thickness of tiles above 10mm and upto 25mm	sqm	445	33.94	Rupees Thirty Three and Ninety Four paise only	15103
11.03	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead:					
11.03.01	Of area 3 sq. metres and below	each	10	181.69	Rupees One Hundred Eighty One and Sixty Nine paise only	1817
<b>TOTAL OF SUB HEAD-11.0</b>						<b>28528</b>
<b>GRAND TOTAL</b>						<b>1733475</b>

**NATIONAL GAMES SECRETARIAT**  
**RENOVATION WORKS AT NANNEYODE SWIMMING POOL**

**TENDER SCHEDULE :- ABSTRACT**

Description	Amount (Rs.)
RENOVATION WORKS	1733475.00
value of market rate items	99260.00
Value of PWD SOR items	1634215.00
<b>Grand total</b>	<b>1733475.00</b>
<b>Rupees Seventeen Lakh Thirty Three Thousand Four Hundred and Seventy Five Only</b>	

I/We agree to carry out the work at par with estimate (1) at estimate rate.....

(2).....% above the estimate (in figure & words)

(3).....% below the estimate (in figure & words)

**\*\* Tender excess / Deduction will not be applicable for market rate items in the schedule of contract**

Signature of Contractor

Witness

Name.....

Address.....