

KITCO LTD
NATIONAL GAMES SECRETARIAT
LIMITED TENDER FOR CONSTRUCTION OF MULTISPORT PLAY SPACES IN THIRUVANANTHAPURAM REGION
SPECIFICATION AND SCHEDULE OF QUANTITIES

Sl.No	Description Of Items	Unit	Quantity	Rate in digits	Rate in words	Amount
	SH :1 EARTHWORK					
1.01	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including disposal of excavated earth upto 50 m and lift upto 1.5 m, disposed soil to be levelled and neatly dressed :	sqm	816.00			
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	10.00			
1.03	Extra for consolidation of earth by power roller(Daily out turn 1850 m2) in 15 cm layers including watering, including cost and conveyance of all materials, labour charges, hire charges etc. complete as directed by the Engineer- in-Charge for soil stabilisation.	cum	123.00			
1.04	Extra for additional lead upto 100m over initial lead of 50m for disposing surplus excavated earth as per the direction of Engineer-in-Charge.	cum	10.00			
	TOTAL OF SUB HEAD -1.0					
	(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. 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	cum	15.00			
2.01.01	- do 1:2:4 (1 Cement : 2coarse sand : 4 graded stone aggregate 20mm nominal size)	cum	8.00			
	TOTAL OF SUB HEAD -2.0					

Sl.No	Description Of Items	Unit	Quantity	Rate in digits	Rate in words	Amount
	(SH: - 3.0 - MASONRY WORK)					
3.01	Providing and constructing Solid block masonry M-10 grade(mix 1:3:6)(1:cement ,3:crusher sand,6: 6mm metal) in C.M1:6(1cement, 6 coarse sand) with Solid blocks of approved quality including scaffolding, raking out of joints,curing, cost and conveyance of all materials,labour, lead, lift, etc. complete for all types of masonry works in below the highest plinth level as directed by Engineer-in-Charge.	cum	5.00			
	TOTAL OF SUB HEAD-3.0					
	(SH: - 4.0 - STEEL WORK)					
4.01	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.					
4.01.01	In gratings, frames, guard bar, ladders, railings, brackets, gates & similar works.	kg	1020.00			
	TOTAL OF SUB HEAD-4.0					
	(SH: - 5.0 - MISCELLANEOUS BUILDING WORK)					

Sl.No	Description Of Items	Unit	Quantity	Rate in digits	Rate in words	Amount
5.01	Providing and laying sub base for the synthetic Tennis field according to the drawings approved by ITF to suitable thickness and composition and strength. The item includes providing and laying layers of asphalt of required specification, drain of proprietary design and finish to receive synthetic Tennis surface all according to proprietary methodology, drawing and design.					
	Sub base details- a chemical treatment for pests and vegetation control, a sub base of 4" soling using 80 mm broken stone, 3" water bound macadam, Bitumen emulsion for tack and prime coats , 2" BM and BC (60/70)	sqm	608.00			
5.02	Providing and fixing PVC coated GI chain link fencing of clear height 3.0m with 50x50mm woven net with 2.85mm dia GI wire + 1.15mm thick PVC coating (total 4mm dia) using 50mm medium class GI pipe as post at 3.0m spacing and 3nos 25mm medium class GI pipe connecting the posts by welding. The posts shall be fixed in PCC 1:2:4 0.45mx0.45mx0.6m and the net shall be tied with the pipes using 2mm dia SS wire. The fencing shall have two gates of size 1.25m x 2.1 m (front side) and 2.1m x 0.90m (back side). The rate includes cost and conveyance of all the materials, earthwork, foundation PCC and painting with two coats of anticorrosive yellow zinc chromate primer and two coats of synthetic enamel paint, labour charges, lead, lift etc complete as directed by the Engineer-in-charge	m	116.00			
5.03	Supply of ITF approved, category 3/category 4 Tennis accrylic surface (5 layers) as per the proprietary design and specifications approved by ITF. The supply includes all taxes, duties, vat, excise and other charges, but excluding custom duty for which exemption can be obtained. On net delivery at site basis. The supply to include all wastage and other incidental for (32 X 19) sqm on completion. The work includes the supply and installation of Volleyball and Tennis sleeves & accessories including net. All markings in different colour as per the drawing is necessary.	sqm	608.00			
	TOTAL OF SUB HEAD-4.0					
	(SH: - 6.0 - ELECTRICAL WORKS)					

Sl.No	Description Of Items	Unit	Quantity	Rate in digits	Rate in words	Amount
6.01	<p>Supply, installation, testing and commissioning of sports lighting system using 9 m height GI pipe pole (5" & 4" dia) with brackets suitable for mounting three flood lighting luminaires. There shall be built in junction box with prewired MCB's for each lamp, terminal connectors for loop in loop out. Supply, installation, testing and commissioning of 3 nos of 1x400 W integral flood light luminaire with pressure die cast aluminium housing (IP 65), including 1 no of 400 W MH lamps and control gear box for each luminaire complete with all necessary accessories as required. The scope of this item also including pipe earthing with suitable size GI strip/wire as per IS 3043. From each MCB's to luminaires, a minimum of 3Cx2.5 Sq.mm PVC insulated copper conductor shall be provided. Design and supply of all materials and casting of suitable shallow foundation using M25 concrete for the pole considering the safe soil bearing capacity at site, at suitable depth as per the approved drawing, and supply a set of foundation bolts manufactured from special steel along with nuts, washers anchor plates and templates for each mast. The erection of the pole should be done with the help of suitable equipments including charges for cables and cabling up to the outdoor MCB DB. The quoted rate shall be inclusive of incoming power cable to each pole from a common power supply point nearer to the court. (Min. 4CX4 sq.mm cable). The detailed drawing for the above system shall be approved by the engineer in charge before starting the work.</p>	no	4.00			

Sl.No	Description Of Items	Unit	Quantity	Rate in digits	Rate in words	Amount
6.02	Supply ,installation,testing and commissioning of sports lighting system using 9 m height GI pipe pole (5" & 4" dia) with brackets suitable for mounting two flood lighting luminaires .There shall be built in junction box with prewired MCB's ,terminal connectors for loop in loop out. Supply ,installation , testing and commissioning of 2 nos of 1x400 W integral flood light luminaire with pressure die cast aluminium housing (IP 65), including 1 no of 400 W MH lamps and control gear box for each luminaire complete with all necessary accessories as required. The scope of this item also including pipe earthing with suitable size GI strip/wire as per IS 3043. From each MCB's to luminaires, a minimum of 3Cx2.5 Sq.mm PVC insulated copper conductor shall be provided.Design and supply of all materials and casting of suitable shallow foundation using M25 concrete for the pole considering the safe soil bearing capacity at site,at suitable depth as per the approved drawing, and supply a set of foundation bolts manufactured from special steel along with nuts, washers anchor plates and templates for each mast.The erection of the pole should be done with the help of suitable equipments including charges for cables and cablings up to the outdoor MCB DB.The quoted rate shall be inclusive of incoming power cable to each pole from a common power supply point nearer to the court. (Min.4CX4 sq.mm cable) .The detailed drawing for the above system shall be approved by the engineer in charge before starting the work.	no.	2.00			
6.03	Supply, installation, testing and commissioning of cubicle type totally enclosed free standing, ,dust free, damp and vermin proof and water proof outdoor LT Panel fabricated out of 14 SWG thick CRCA sheet duly powder coated with 63A FP RCCB+MCB/RCBO, 100mA sensitivity as incomer, 4 nos of 6-32A SP/TP MCBs as outgoing, 3 nos of 0-60A ammeters, RYB LED indication lamps, 1 no of 0-500V voltmeter with selector switch, 3 nos of 4A C curve SP MCB and including all accessories and interconnections as required complete, wiring with suitable size wires/cables and including all civil works for foundation with M25 concrete mix, plastering, finishing etc. and as per specifications as required, including supply and laying of suitable size incomer cables from the power supply.	no.	1.00			
	TOTAL OF SUB HEAD-6.0					
	TOTAL for one court					
	GRAND TOTAL for four court					