

PROJECT: NATIONAL GAMES 2010 KERALA CORPORATION STADIUM KOZHIKODE NEW BUILDING						
POWER SUPPLY AND ELECTRIFICATION						
SCHEDULE						
SL. No	DESCRIPTION	UNIT	QTY	RATE IN FIGURES (in Rs)	RATE IN WORDS (in Rs)	AMOUNT
PART- I (POWER SUPPLY)						
1	SITC RMU					
	Supply, installation, testing and commissioning of 11KV, 3ph 630A SF6 insulated extensible type RMU within a metal clad enclosure having degree of protection IP54 with short time rating 20KA for 3 Seconds, independent manually springcharged mechanism, fully rated earth switches with mechanical interlock and provision for pad locking and selfpowered O/C and E/F relay associated with trip circuit comprising of :-					
a	2 nos 630A triple pole single break 3 positional ring main switch with independent spring mechanism , fully rated earth switches with provision for earth and test of cable and two insulated cable boxes and cable gland suitable for bottom entry 3 core cable upto 300sq.mm					
b	1no 630A triple pole VCB with independent manually charged spring mechanism and fully rated earth switch with provision for cable box and earthing of cable box and suitable for bottom entry.	no	1	5,92,470	Rupees Five lakhs ninety two thousand four hundred and seventy only	5,92,470
2	Supply and Laying of 3x300sq.mm Al.conductor XLPE insulated PVC sheathed armoured , 11KV, HT cable conforming to IS specifications (For KSEB).	mtr	100	3043.70	Rupees Three thousand and forty three & paise seventy only	304370.00
3	Supply and providing connection of the 3x300sq.mm Al Conductor XLPE insulated PVC sheathed armoured 11KV HT cable including all materials required for firm joints.					-
a.	Indoor type	no	2	11429	Rupees eleven thousand four hundred and twenty nine only	22858.00
4	Supply and providing emergency push button with key in suitable metallic enclosure as required.	no	1	1500	Rupees one thousand five hundred only	1500.00
5	SITC 500kVA USS					-

SL. No	DESCRIPTION	UNIT	QTY	RATE IN FIGURES (in Rs)	RATE IN WORDS (in Rs)	AMOUNT
	Supply, installation, testing and commissioning of 500kVA USS comprising of 1no. 11KV, 3 phase 50c/s,400A HT SFU having a rupturing capacity of 250MVA, with fuse rating of 50A, shunt trip coil, totally enclosed, indoor, floor mounted type, duly tested, with 2nos CTs 50/5A , CL 0.5, 15VA, 1no PT 11KV/110V CL 0.5, 100VA burden and provision for TOD meter, earth switch, opening and closing mechanism and 1No 500KVA, 11KV / 433V, 3 phase, 50c/s, AN cooled, cast resin type with step down transformer with tapings from +/- 2.5% to -10% in steps of 2.5%, Cu wound suitable for LT cable boxes and HT side connected as Unitized sub station to the HT SFU, AN cooled indoor type distribution transformer with all other accessories conforming to the required standards. etc. and complete as required.	no	1	1209000	Rupees twelve lakh nine thousand only	1209000.00
6	Supply, installation and testing of CTs rating 50/5A, CL 0.5, 15VA and TOD meter for KSEB test terminals etc. all prewired, tested in the TMR section of KSEB and as per recommendations and fixing in the SFU panel as required.	no	1	24572.90	Rupees twenty four thousand five hundred and seventy two & paise ninety only	24572.90
7	Supply and providing neutral CT in MS box, earth fault relay (CD G11) and control wiring for the transformer, Generator.					
a	150/5A CL:5P10,15VA	set	1	2200	Rupees two thousand two hundred only	2,200.00
8	MSB					-
	Supply, installation, testing and commissioning of 500V, 800A LT panel board dust tight vermin proof floor mounted free standing cubicle construction with the following:-					
	Incoming:-					-
	800A 50kA FP MDO type ACB with 30/C, 1E/F & S/C releases, potential free contacts and with all standard features as required set at 667A - 2nos (1no incoming from 500 KVA transformer and 1no for future generator with mechanical					-
	Outgoings:-					-
	400A, TPN SFU with HRC Fuse - 3Nos					
	250A, TPN SFU with HRC Fuse - 4Nos					
	6nos Ammeters (0-800A), Voltmeter (0-500V), HRC fuse, selector switch, phase indication lamps, frequency meter etc. in the incoming sections. Copper earth bus of adequate capacity and double earth connection to all switches, internal rigid connection. The board shall be fabricated out of 14SWG CR sheet and powder coated with shade RAL 7032 after phosphating.	no	1	707133	Rupees seven lakhs seven thousand one hundred thirty three only	707,133.00
9	APFC Panel					
	Supply, installation, testing and commissioning of 500V, 400A LT panel board dust tight vermin proof floor mounted free standing cubicle construction with the following:-					

SL. No	DESCRIPTION	UNIT	QTY	RATE IN FIGURES (in Rs)	RATE IN WORDS (in Rs)	AMOUNT
a	Incoming					
	400A TPN isolator - 1 no.					
	(Bus bar of air insulated Aluminium, size as per					
b	Outgoing					
	125A TPN SFU with HRC fuses - 1no					
	100A TPN SFU with HRC fuses - 1no					
	63A TPN SFU with HRC fuses - 2nos					
	32A TPN SFU with HRC fuses - 4nos					
	30 KVAR capacitor - 1no					
	25 KVAR capacitor - 1no					
	20 KVAR capacitor - 2nos					
	10 KVAR capacitor - 1no					
	5 KVAR capacitor - 3nos					
c	Power contactors of double duty type suitable for capacitor switching with 20,10,10,10,5,5 in outgoing prewired with control circuits to improve the P.F automatically with micro processor based automatic power factor relay to fix the power factor at the desired value with a power factor meter in the incoming side. Ammeters (0-200A), voltmeter (0-500V), phase indication lamps etc. in the incoming. Earth bus of adequate capacity and double earth connection to all switches, internal rigid connection etc., complete as required. The board shall be fabricated out of 16 SWG CR sheet and powder	no	1	206042	Rupees two lakhs six thousand and forty two only	206,042.00
10	SP-1					-
	Design, fabricated, supply, installation, testing and commissioning of 400A, 500V LT panel board, dust tight, vermin proof floor mounted, free standing , cubicle construction with the following:-					-
	Incoming					-
	400A, TPN Isolator-1No					-
	(Bus bar of air insulated Aluminium size as per					-
	Outgoing					-
	160A TPN SFU with HRC Fuse- 2nos					-
	125A TPN SFU with HRC Fuse- 2nos					-
	100A TPN SFU with HRC Fuse- 2nos					-
	Phase indication lamps, earth bus of adequate capacity and double earth connection to all switches, internal rigid connection. The board shall be fabricated out of 16 SWG CR sheet and painted with an approved colour after phosphating.	no	1	83725	Rupees eightythree thousand seven hundred and twenty five only	83,725.00
11	SP-2					-
	Design, fabricated, supply, installation, testing and commissioning of 400A, 500V LT panel board, dust tight, vermin proof floor mounted, free standing , cubicle construction with the following:-					-
	Incoming					-
	400A, TPN Isolator-1No					-
	(Bus bar of air insulated Aluminium size as per					-
	Outgoing					-
	160A TPN SFU with HRC Fuse - 2nos					-
	125A TPN SFU with HRC Fuse - 5nos					-

SL. No	DESCRIPTION	UNIT	QTY	RATE IN FIGURES (in Rs)	RATE IN WORDS (in Rs)	AMOUNT
	Phase indication lamps, earth bus of adequate capacity and double earth connection to all switches, internal rigid connection. The board shall be fabricated out of 16 SWG CR sheet and painted with an approved colour after phosphating.	no	1	97300	Rupees ninety seven thousand and three hundred only	97,300.00
12	FIRE PUMP PANEL					-
	Design, fabricated, supply, installation, testing and commissioning of 250A, 500V LT panel board, dust tight, vermin proof floor mounted, free standing , cubicle construction with the following:-					-
	Incoming					-
	250A, TPN Isolator-1No					-
	(Bus bar of air insulated Aluminium size as per					-
	Outgoing					-
	160A TPN Isolator-2 nos					-
	32A TPN Isolator-1 no					-
	Phase indication lamps, earth bus of adequate capacity and double earth connection to all switches, internal rigid connection. The board shall be fabricated out of 16 SWG CR sheet and painted with an approved colour after phosphating.	no	1	42359	Rupees forty two thousand three hundred and fifty nine only	42,359.00
13	BASEMENT FLOOR PANEL					-
	Design, fabricated, supply, installation, testing and commissioning of 100A, 500V LT panel board, dust tight, vermin proof floor mounted, free standing , cubicle construction with the following:-					-
	Incoming					-
	100A, TPN Isolator-1No					-
	(Bus bar of air insulated Aluminium size as per					-
	Outgoing					-
	63A TPN SFU with HRC Fuse- 7nos					-
	Phase indication lamps, earth bus of adequate capacity and double earth connection to all switches, internal rigid connection. The board shall be fabricated out of 16 SWG CR sheet and painted with an approved colour after phosphating.	no	1	37296	Rupees thirty seven thousand two hundred and ninty six only	37,296.00
15	GROUND FLOOR PANEL					-
	Design, fabricated, supply, installation, testing and commissioning of 100A, 500V LT panel board, dust tight, vermin proof floor mounted, free standing , cubicle construction with the following:-					-
	Incoming					-
	100A, TPN Isolator-1No					-
	(Bus bar of air insulated Aluminium size as per					-
	Outgoing					-
	63A TPN SFU with HRC Fuse- 6nos					-
	Phase indication lamps, earth bus of adequate capacity and double earth connection to all switches, internal rigid connection. The board shall be fabricated out of 16 SWG CR sheet and painted with an approved colour after phosphating.	no	1	33143	Rupees thirty three thousand one hundred and forty three only	33,143.00
16	GF AC PANEL					-

SL. No	DESCRIPTION	UNIT	QTY	RATE IN FIGURES (in Rs)	RATE IN WORDS (in Rs)	AMOUNT
	Design, fabricated, supply, installation, testing and commissioning of 160A, 500V LT panel board, dust tight, vermin proof floor mounted, free standing , cubicle construction with the following:-					-
	Incoming					-
	160A, TPN Isolator-1No					-
	(Bus bar of air insulated Aluminium size as per					-
	Outgoing					-
	63A TPN SFU with HRC Fuse- 8nos					-
	Phase indication lamps, earth bus of adequate capacity and double earth connection to all switches, internal rigid connection. The board shall be fabricated out of 16 SWG CR sheet and painted with an approved colour after phosphating.	no	1	44177	Rupees forty four thousand one hundred and seventy seven only	44,177.00
17	1st FLOOR PANEL					-
	Design, fabricated, supply, installation, testing and commissioning of 160A, 500V LT panel board, dust tight, vermin proof floor mounted, free standing , cubicle construction with the following:-					-
	Incoming					-
	160A, TPN Isolator-1No					-
	(Bus bar of air insulated Aluminium size as per					-
	Outgoing					-
	100A TPN SFU with HRC Fuse- 2nos					-
	63A TPN SFU with HRC Fuse- 5nos					-
	Phase indication lamps, earth bus of adequate capacity and double earth connection to all switches, internal rigid connection. The board shall be fabricated out of 16 SWG CR sheet and painted with an approved colour after phosphating.	no	1	48330	Rupees forty eight thousand three hundred and thirty only	48,330.00
18	2nd FLOOR PANEL					-
	Design, fabricated, supply, installation, testing and commissioning of 160A, 500V LT panel board, dust tight, vermin proof floor mounted, free standing , cubicle construction with the following:-					-
	Incoming					-
	160A, TPN Isolator-1No					-
	(Bus bar of air insulated Aluminium size as per					-
	Outgoing					-
	100A TPN SFU with HRC Fuse- 1no					-
	63A TPN SFU with HRC Fuse- 6nos					-
	Phase indication lamps, earth bus of adequate capacity and double earth connection to all switches, internal rigid connection. The board shall be fabricated out of 16 SWG CR sheet and painted with an approved colour after phosphating.	no	1	44177	Rupees forty four thousand one hundred and seventy seven only	44,177.00
19	3rd FLOOR PANEL					-
	Design, fabricated, supply, installation, testing and commissioning of 125A, 500V LT panel board, dust tight, vermin proof floor mounted, free standing , cubicle construction with the following:-					-
	Incoming					-
	125A, TPN Isolator-1No					-

SL. No	DESCRIPTION	UNIT	QTY	RATE IN FIGURES (in Rs)	RATE IN WORDS (in Rs)	AMOUNT
	(Bus bar of air insulated Aluminium size as per					-
	Outgoing					-
	63A TPN SFU with HRC Fuse- 7nos					-
	Phase indication lamps, earth bus of adequate capacity and double earth connection to all switches, internal rigid connection. The board shall be fabricated out of 16 SWG CR sheet and painted with an approved colour after phosphating.	no	1	43962	Rupees forty three thousand nine hundred and sixty two only	43,962.00
20	4th FLOOR PANEL					-
	Design, fabricated, supply, installation, testing and commissioning of 125A, 500V LT panel board, dust tight, vermin proof floor mounted, free standing , cubicle construction with the following:-					-
	Incoming					-
	125A, TPN Isolator-1No					-
	(Bus bar of air insulated Aluminium size as per					-
	Outgoing					-
	63A TPN SFU with HRC Fuse- 6nos					-
	Phase indication lamps, earth bus of adequate capacity and double earth connection to all switches, internal rigid connection. The board shall be fabricated out of 16 SWG CR sheet and painted with an approved colour after phosphating.	no	1	39172	Rupees thirty nine thousand one hundred seventy two only	39,172.00
21	ROOF FLOOR PANEL					-
	Design, fabricated, supply, installation, testing and commissioning of 125A, 500V LT panel board, dust tight, vermin proof floor mounted, free standing , cubicle construction with the following:-					-
	Incoming					-
	125A, TPN Isolator-1No					-
	(Bus bar of air insulated Aluminium size as per					-
	Outgoing					-
	63A TPN SFU with HRC Fuse- 5nos					-
	Phase indication lamps, earth bus of adequate capacity and double earth connection to all switches, internal rigid connection. The board shall be fabricated out of 16 SWG CR sheet and painted with an approved colour after phosphating.	no	1	34383	Rupees thirty four thousand three hundred and eighty three only	34,383.00
22	PUMP PANEL					-
	Design, fabricated, supply, installation, testing and commissioning of 63A, 500V LT panel board, dust tight, vermin proof floor mounted, free standing , cubicle construction with the following:-					-
	Incoming					-
	63A, TPN Isolator-1No					-
	(Bus bar of air insulated Aluminium size as per					-
	Outgoing					-
	32A TPN SFU with HRC Fuse- 4nos					-

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	Phase indication lamps, earth bus of adequate capacity and double earth connection to all switches, internal rigid connection. The board shall be fabricated out of 16 SWG CR sheet and painted with an approved colour after phosphating.	no	1	17016	Rupees seventeen thousand and sixteen only	17,016.00
23	LIFT PANEL					-
	Design, fabricated, supply, installation, testing and commissioning of 160A, 500V LT panel board, dust tight, vermin proof floor mounted, free standing , cubicle construction with the following:-					-
	Incoming					-
	160A, TPN Isolator-1No					-
	(Bus bar of air insulated Aluminium size as per					-
	Outgoing					-
	100A TPN SFU with HRC Fuse- 3nos					-
	63A TPN SFU with HRC Fuse- 3nos					-
	32A SPN SFU with HRC Fuse- 2nos					-
	63A 100mA ELCB + MCB- 2nos					-
	Phase indication lamps, earth bus of adequate capacity and double earth connection to all switches, internal rigid connection. The board shall be fabricated out of 16 SWG CR sheet and painted with an approved colour after phosphating.	no	1	72809	Rupees seventy two thousand eight hundred and nine only	72,809.00
24	LIFT SUB PANEL 1					-
	Design, fabricated, supply, installation, testing and commissioning of 100A, 500V LT panel board, dust tight, vermin proof floor mounted, free standing , cubicle construction with the following:-					-
	Incoming					-
	100A, TPN Isolator-1No					-
	(Bus bar of air insulated Aluminium size as per					-
	Outgoing					-
	63A TPN SFU with HRC Fuse- 3nos					-
	32A DP SFU with HRC Fuse- 1no					-
	63A 100mA ELCB + MCB- 2nos					-
	Phase indication lamps, earth bus of adequate capacity and double earth connection to all switches, internal rigid connection. The board shall be fabricated out of 16 SWG CR sheet and painted with an approved colour after phosphating.	no	1	44404	Rupees forty four thousand four hundred and four only	44,404.00
25	LIFT SUB PANEL 2					-
	Design, fabricated, supply, installation, testing and commissioning of 100A, 500V LT panel board, dust tight, vermin proof floor mounted, free standing , cubicle construction with the following:-					-
	Incoming					-
	100A, TPN Isolator-1No					-
	(Bus bar of air insulated Aluminium size as per					-
	Outgoing					-
	63A TPN SFU with HRC Fuse- 3nos					-
	32A DP SFU with HRC Fuse- 1no					-
	63A 100mA ELCB + MCB- 2nos					-

SL. No	DESCRIPTION	UNIT	QTY	RATE IN FIGURES (in Rs)	RATE IN WORDS (in Rs)	AMOUNT
	Phase indication lamps, earth bus of adequate capacity and double earth connection to all switches, internal rigid connection. The board shall be fabricated out of 16 SWG CR sheet and painted with an approved colour after phosphating.	no	1	44404	Rupees forty four thousand four hundred and four only	44,404.00
26	Supply and laying Al. Conductor PVC sheathed armoured power Cables for working voltage up to 1100V.					-
a.	3.5 x 400 sq.mm	mtr	60	2,384.00	Rupees two thousand three hundred and eighty four only	143,040.00
b.	3.5 x 300 sq.mm	mtr	UR	1,966.80	Rupees one thousand nine hundred and sixty six & paise eighty only	
c.	3.5 x 240 sq.mm	mtr	135	1,669.80	Rupees one thousand six hundred and sixty nine & paise eighty only	225,423.00
d.	3.5 x 185 sq.mm	mtr	105	1,380.50	Rupees one thousand three hundred and eighty & paise fifty only	144,952.50
e.	3.5x 150 sq.mm	mtr	290	1,180.30	Rupees one thousand one hundred and eighty & paise thirty only	342,287.00
f.	3.5 x 120 sq.mm	mtr	UR	1,053.80	Rupees one thousand and fifty three & paise eighty only	
g.	3.5 x 95 sq.mm	mtr	UR	904.20	Rupees nine hundred and four & paise twenty only	
h.	3.5 x 70 sq.mm	mtr	30	796.40	Rupees seven hundred and ninety six & paise forty only	23,892.00
i.	3.5 x 50 sq.mm	mtr	160	687.50	Rupees six hundred and eighty seven & paise fifty only	110,000.00
j.	3.5 x 35 sq.mm	mtr	UR	600.60	Rupees six hundred & paise sixty only	
k.	3.5 x 25 sq.mm	mtr	UR	548.90	Rupees five hundred and forty eight & paise ninety only	
l.	4 x 16 sq.mm	mtr	100	506.00	Rupees five hundred and six only	50,600.00
m.	4 x 10 sq.mm	mtr	225	468.60	Rupees four hundred and sixty eight & paise sixty only	105,435.00

SL. No	DESCRIPTION	UNIT	QTY	RATE IN FIGURES (in Rs)	RATE IN WORDS (in Rs)	AMOUNT
n.	4 x 6 sq.mm	mtr	UR	464.20	Rupees four hundred and sixty four & paise twenty only	
o.	3 x 10 sq.mm	mtr	UR	462.00	Rupees four hundred and sixty two only	
p.	3 x 6 sq.mm	mtr	60	449.90	Rupees four hundred and forty nine & paise ninety only	26,994.00
q.	4 x 4 sq.mm	mtr	UR	442.20	Rupees four hundred and forty two & paise twenty only	
r.	3 x 4 sq.mm	mtr	UR	421.30	Rupees four hundred and twenty one & paise thirty only	
s.	2 x 6 sq.mm	mtr	10	433.40	Rupees four hundred and thirty three & paise forty only	4,334.00
27	Supply and fixing cable glands for the cables mentioned above and giving termination, gland earthing etc. complete.					
a.	3.5 x 400 sq.mm	No	6	704.00	Rupees seven hundred and four only	4,224.00
b.	3.5 x 300 sq.mm	No	UR	584.10	Rupees five hundred and eighty four & paise ten only	
c.	3.5 x 240 sq.mm	No	12	569.80	Rupees five hundred and sixty nine & paise eighty only	6,837.60
d.	3.5 x 185 sq.mm	No	2	413.60	Rupees four hundred and thirteen & paise sixty only	827.20
e.	3.5x 150 sq.mm	No	6	347.60	Rupees three hundred and forty seven & paise sixty only	2,085.60
f.	3.5 x 120 sq.mm	No	UR	321.20	Rupees three hundred and twenty one and paise twenty only	
g.	3.5 x 95 sq.mm	No	UR	275.00	Rupees two hundred and seventy five only	
h.	3.5 x 70 sq.mm	No	4	257.40	Rupees two hundred and fifty seven & paise forty only	1,029.60
i.	3.5 x 50 sq.mm	No	4	213.40	Rupees two hundred and thirteen & paise forty only	853.60

SL. No	DESCRIPTION	UNIT	QTY	RATE IN FIGURES (in Rs)	RATE IN WORDS (in Rs)	AMOUNT
j.	3.5 x 35 sq.mm	No	UR	185.90	Rupees one hundred and eighty five & paise ninety only	
k.	3.5 x 25 sq.mm	No	UR	150.70	Rupees one hundred and fifty & paise seventy only	
l.	4 x 16 sq.mm	No	10	140.80	Rupees one hundred and forty & paise eighty only	1,408.00
m.	4 x 10 sq.mm	No	20	110.00	Rupees one hundred and ten only	2,200.00
n.	4 x 6 sq.mm	No	UR	99.00	Rupees ninety nine only	
o.	3 x 10 sq.mm	No	UR	110.00	Rupees one hundred and ten only	
p.	3 x 6 sq.mm	No	6	99.00	Rupees ninety nine only	594.00
q.	4 x 4 sq.mm	No	UR	91.30	Rupees ninety one & paise thirty only	
r.	3 x 4 sq.mm	No	UR	91.30	Rupees ninety one & paise thirty only	
s.	2 x 6 sq.mm	No	4	99.00	Rupees ninety nine only	396.00
28	Supply , installation and testing of 3 phase 8 Way Vertical MCB DB double door, dust tight vermin proof having cu.busbar with 63A 4P ELCB with MCB 100mA sensitivity as incoming and 40A TP MCB 8nos as outgoing.	no	2	20500	Rupees twenty thousand five hundred only	41,000.00
29	Supply and installation and testing of 3ph 4way MCB DB (double door) dust tight vermin proof having Cu busbar with 40A, 4 pole ELCB with MCB 30mA sensitivity as incoming and 6A/16 A /20 A MCB 12 nos as outgoing .	no	UR	7500	Rupees seven thousand five hundred only	
30	Supply and installation and testing of 3ph 6way MCB DB (double door) dust tight vermin proof having Cu busbar with 40A, 4 pole ELCB with MCB 30mA sensitivity as incoming and 6A/16 A /20 A MCB 18 nos as outgoing .(LDB)	no	3	13800.00	Rupees thirteen thousand and eight hundred only	41,400.00
31	Supply and installation and testing of 3ph 8way MCB DB (double door) dust tight vermin proof having Cu busbar with 40A, 4 pole ELCB with MCB 30mA sensitivity as incoming and 6A/16 A /20 A MCB 18 nos as outgoing .(LDB)	no	3	15200.00	Rupees fifteen thousand and two hundred only	45,600.00

SL. No	DESCRIPTION	UNIT	QTY	RATE IN FIGURES (in Rs)	RATE IN WORDS (in Rs)	AMOUNT
32	Supply and installation and testing of 3ph 6way MCB DB (double door) dust tight vermin proof having Cu busbar with 40A, 4 pole ELCB with MCB 100mA sensitivity as incoming and 6A/16 A /20 A MCB 18 nos as outgoing .(PDB)	no	3	13800.00	Rupees thirteen thousand and eight hundred only	41,400.00
33	Supply and installation and testing of 1ph 8way MCB DB (double door) dust tight vermin proof having Cu busbar with 25A, DP ELCB with MCB 30mA sensitivity as incoming and 6A/16 A MCB 8 nos as outgoing .	no	4	7045	Rupees seven thousand and forty five only	28,180.00
34	Supply, fixing and give termination to following Cu strips and wires for effective earthing of neutral and equipment of the system.					
	<u>Earthing</u>					
a	No.10SWG Cu	mtr	400	50.60	Rupees fifty & paise sixty only	20,240.00
b	25x3mm Cu strip	mtr	230	446.60	Rupees four hundred and forty six & paise sixty only	102,718.00
35	Supply, fixing and give termination to the following Cu / GI strips for effective lightning protection including supply and fixing of test link, insulators etc. complete.					
	a.32x6mm Cu strip	mtr	50	1133	Rupees one thousand one hundred and thirty three only	56,650.00
	b.25x3mmGI strip	mtr	650	70.40	Rupees seventy & paise forty only	45,760.00
36	Supply and providing efficient plate earthing using 1200x1200x12.6mm CI earth electrode with necessary earth pit pipe connection including filling the pit with charcoal salt etc. cement concrete or equivalent construction, concrete cover etc. complete as required.	no	3	10248.70	Rupees ten thousand two hundred and forty eight & paise seventy only	30,746.10
37	Supply and providing efficient plate earthing arrangement using 600x600x 6.3mm GI earth electrode with necessary earth pit pipe connection including filling the pit with charcoal salt etc. cement concrete or equivalent construction, concrete cover etc. complete as required.	no	4	3429.80	Rupees three thousand four hundred and twenty nine & paise eighty only	13,719.20
38	Supply, and providing electrical grade rubber mat of size 2mtrx1mtr in front of all the panels as					
	a.1/2" thick	set	1	1224.30	Rupees one thousand two hundred and twenty four & paise thirty only	1,224.30
	b.1/4" thick	sets	8	710.60	Rupees seven hundred and ten & paise sixty only	5,684.80
39	Supply, and providing the following:-					

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	a. 4nos fire bucket and stand	set	2	585.20	Rupees five hundred and eighty five & paise twenty only	1,170.40
	b. CO2 type 4.5Kg fire extinguisher or equivalent.	no	1	2409.00	Rupees two thousand four hundred and nine only	2,409.00
	c. Caution board (HT<)	no	2	121.00	Rupees one twenty one only	242.00
	d. Shock treatment chart (Laminated)	no	1	202.40	Rupees two hundred and two & paise forty only	202.40
	e. Rubber gloves (11KV)	pair	1	360.00	Rupees three hundred and sixty only	360.00
	Sub Total of part – I					4,880,452.20
	<u>PART II.A (ITEMS OF WORK):</u>					
40	Supply and wiring light point in concealed using 1.5sqmm PVC insulated FRLSCopper wire through 20mm dia rigid PVC pipe 1.5mm thick with 16 SWG bare Cu. Wire as continuous earth with specials such as bends, junction box etc. including 3 plate, ceiling rose and 5A modular type switch fixed on metal concealed box made of 16 SWG CR sheet. (including exhaust fan points)					
a	1 light point controlled by one switch	no	250	765	Rupees seven hundred and sixty five only	191,250.00
b	2 light point controlled by one switch	no	28	912	Rupees nine hundred and twelve only	25,536.00
c	3 light point controlled by one switch	no	15	1107	Rupees one thousand one hundred and seven only	16,605.00
d	4 light point controlled by one switch	no	10	1285	Rupees one thousand two hundred and eighty five only	12,850.00
e	5 light point controlled by one switch	no	3	1322	Rupees one thousand three hundred and twenty two only	3,966.00
f	6 light point controlled by one switch	no	4	1322	Rupees one thousand three hundred and twenty two only	5,288.00
g	7 light point controlled by one switch	no	30	1390	Rupees one thousand three hundred and ninety only	41,700.00
h	10 light point controlled by one switch	no	13	1837	Rupees one thousand eight hundred and thirty seven only	23,881.00

SL. No	DESCRIPTION	UNIT	QTY	RATE IN FIGURES (in Rs)	RATE IN WORDS (in Rs)	AMOUNT
41	Supply and wiring light points as in item above No.40 in such a way that light can be controlled from two points independently by using 2 way switch.	sets	UR	1196.80	Rupees one thousand one hundred and ninety six and paise eighty only	
42	Supply and wiring fan points in concealed using 1.5sq.mm PVC insulated copper wire with No 16 SWG bare Cu. Wire for earth as above item No.40 including supply and fixing of 300W step regulator on metal concealed box.	no	12	1280.40	Rupees one thousand two hundred and eighty & paise forty only	15,364.80
43	Supply and wiring fan points as in item above No.40 in such a way that fan can be switched (with regulator at one end) from two points independently by using 2 way switch.	no	UR	1126	Rupees one thousand one hundred and twenty six only	
44	Supply and wiring 6Amps 3 pin plug in using No 16SWG bare Cu. Wire for earth as above item No.40 including supply and fixing of 6Amps modular type switch and 3 pin socket on metal concealed box.					-
	a) Combined Position.	no	42	324.00	Rupees three hundred and twenty four only	13,608.00
	b) Independent position	no	28	362.00	Rupees three hundred and sixty two only	10,136.00
45	Supply and wiring bell point as above item No.40 including supply and fixing of bell push.	no	UR	999.00	Rupees nine hundred and ninety nine only	
46	Supply and fixing rigid PVC pipe 20mm dia having wall thickness 1.5mm using necessary specials such as bend coupler junction box etc. concealed in RCC slab and wall for dummy points.	mtr	UR	37.40	Rupees thirty seven & paise forty only	
47	Same as item No.46 but with 40 mm pipe, 2 mm thickness for incoming cables to each DB.	mtr	UR	105.60	Rupees one hundred and five & paise sixty only	
48	Supply and wiring run 2 of the 1.5sq.mm PVC insulated copper wire with No 16 SWG bare Cu. Wire for earth through recessed 20mm dia rigid PVC pipe with bend elbow etc. for wiring switch board to switch board.(Including supply and fixing of PVC conduits)	mtr	2350	107	Rupees one hundred and seven only	251,450.00
49	Supply and wiring run 2 of 2.5sq.mm PVC insulated copper wire with No 16 SWG bare Cu. Wire for earth through recessed 20mm dia rigid PVC pipe with bend elbow etc. for circuit wiring from the distribution board to first switch board to and common area wiring (one or more circuits to be combined in one pipe). (Including supply and fixing of PVC conduits)	mtr	2100	131	Rupees one hundred and thirty one only	275,100.00
50	Supply and wiring run 2 of 4sq.mm PVC insulated copper wire with No 16 SWG bare Cu. Wire for earth through recessed 19/20mm dia rigid PVC pipe with inspection type accessories for wiring power plug points from the distribution board (including supply and fixing of PVC Pipe)	mtr	630	162	Rupees one hundred and sixty two only	102,060.00
51	Supply and fixing of 16A power plug with 3 pin socket and switch, M.S. box and all internal connection etc., complete.	no	27	796	Rupees seven hundred and ninety six only	21,492.00

SL. No	DESCRIPTION	UNIT	QTY	RATE IN FIGURES (in Rs)	RATE IN WORDS (in Rs)	AMOUNT
52	Supply and fixing 16A IP 55 Protection type power sockets in kitchen.	no	UR	1646	Rupees one thousand six hundred and forty six only	
53	Supply and fixing of 20A metal clad power plug with 3 pin socket and SP MCB in metallic enclosure, and all internal connection etc.,	no	10	1700	Rupees one thousand seven hundred only	17,000.00
54	Supply and fixing 20A IP 55 Protection type power sockets in kitchen.	no	UR	2114	Rupees two thousand one hundred and fourteen only	
55	Installation of fluorescent lamp / ceiling mounted / fixtures and other wall fittings on the ceiling/wall using necessary accessories and giving connection using suitable length of 3 core Cu. Flexible wire, earthing etc., complete	no	674	128.15	Rupees one hundred and twenty eight & paise fifteen only	86,373.10
56	Installation of ceiling fan using suspension shackle down rod and etc giving connection using 3 core flexible wire etc complete.	no	12	100.10	Rupees one hundred and paise ten only	1,201.20
57	Installation of Exhaust fan as required and giving connection using 3 core flexible wire etc complete.	no	23	226.60	Rupees two hundred and twenty six & paise sixty only	5,211.80
58	Fixing of post top lantern at the gate using 30cm long 40mm dia G.I. pipe and giving connection including earthing etc. including supply of GI pipe.	no	2	277.20	Rupees two hundred and seventy seven & paise twenty only	554.40
59	Installation of Bollard light as required and giving connection etc complete.	no	3	46.20	Rupees forty six & paise twenty only	138.60
Sub Total of Part II.A						1,120,765.90
PART II.B. Telephone Cabling						
60	Supply and fixing RJ 11 telephone socket in MS box and giving connection etc. complete.	no	44	280	Rupees two hundred and eighty only	12,320.00
61	Supply, installation, testing and commissioning of 50 pair telephone terminal box. The terminal box shall be with sheet steel enclosure and krone type.	no	1	4500	Rupees four thousand and five hundred only	4,500.00
62	Supply and laying of PVC sheathed armoured 0.51mm dia tinned copper conductor 50 pair cable as required including end termination.	mtr	60	302.50	Rupees three hundred and two & paise fifty only	18,150.00
63	Supply, fixing rigid PVC pipe 20mm dia having wall thickness 1.5mm using necessary specials such as bend coupler junction box etc. concealed in RCC slab and wall for telephone cables and dummy points.	mtr	1800	37.40	Rupees thirty seven & paise forty only	67,320.00
64	Supply and drawing 2 pair telephone cable.	mtr	1500	27.50	Rupees twenty seven & paise fifty only	41,250.00
Sub Total Of Part II B						143,540.00
PART II.C. T.V CABLING						
65	Supply and fixing T.V co-axial socket outlet in MS box and giving connection etc. complete.	no	16	280	Rupees two hundred and eighty only	4,480.00
66	Supply and drawing RG11 or form filled T.V cable.	mtr	600	78.10	Rupees seventy eight & paise ten only	46,860.00
67	Supply, fixing rigid PVC pipe 20mm dia having wall thickness 1.5mm using necessary specials such as bend coupler junction box etc. concealed in RCC slab and wall for T.V cables and dummy	mtr	450	37.40	Rupees thirty seven & paise forty only	16,830.00
Sub Total of Part-II C						68,170.00
PART II.D. Computer Cabling						

SL. No	DESCRIPTION	UNIT	QTY	RATE IN FIGURES (in Rs)	RATE IN WORDS (in Rs)	AMOUNT
68	Supply, installation, testing and commissioning of 2 KVA, 172 to 285V input to 230V output UPS with external battery of 26AH 12V 8nos for a back up of 45 minutes	no	1	50000	Rupees fifty thousand only	50,000.00
69	Supply, installation and testing of 1 phase, 12 way MCB DB, double door, dust tight vermin proof having Cu. bus bar with 40A DP ELCB with MCB 30mA sensitivity as incoming and 6/10/16A MCB 12 no's as outgoing with blanking plates for spares.	no	1	8000.00	Rupees eight thousand only	8,000.00
70	Supply and wiring 3 runs of 2.5sq.m PVC insulated copper wire (includes one run of green color copper wire for earth) of 1100volts grade through 20mm dia 1.6mm thick MS conduit from distribution board to power outlet in workstations, complete with all accessories (For computer	mtr	580	107.80	Rupees one hundred and seven & paise eighty only	62,524.00
71	Supply and installation of computer power station made out of 16SWG MS sheet equipped with 2nos of 6A switched socket. The MS box shall have suitable arrangement for fixing/grouting in workstation/table/wall/partition as required at site.	no	18	487	Rupees four hundred and eighty seven only	8,766.00
72	Supply and providing efficient plate earthing arrangement using 600 x 600 x 6.3mm Cu. earth electrode with necessary earth pit pipe connection including filling the pit with charcoal, salt etc. cement concrete or equivalent construction including civil work and Cu. strip connection from the top to the plates, CI / concrete cover etc. complete as required.	no	1	3429.80	Rupees three thousand four hundred and twenty nine & paise eighty only	3,429.80
73	Supply & drawing of cat6, 4P, UTP cable	mtr	580	42.23	Rupees forty two & paise twenty three only	24,493.40
74	Supply & fixing cat6, RJ 45 information outlet, in MS box, including giving connection etc. complete.	no	18	316.00	Rupees three hundred and sixteen only	5,688.00
75	Supply & fixing RJ 45 / RJ 45 cat6 mounting cord 1mtr	no	10	128.82	Rupees one hundred and twenty eight & paise eighty two only	1,288.20
76	Supply & fixing RJ 45 / RJ 45 cat6 mounting cord 2mtr	no	8	325	Rupees three hundred and twenty five only	2,600.00
77	Supply & fixing and giving connection to 24 port jack panel.	no	1	10000	Rupees ten thousand only	10,000.00
78	Supply & providing 24 U/19", 600mm deep rack with horizontal AC module, fixed tray instrument cooling fan etc. complete.	no	1	24507	Rupees twenty four thousand five hundred and seven only	24,507.00
Sub Total of Part-II D						201,296.40
<u>PART III (SUPPLY OF ITEMS)</u>						
79	Supply of post top lantern equivalent to Philip Cat No. SPC 206/70(I) LPF with 80W lamp complete with all accessories.	no	2	3000	Rupees three thousand only	6,000.00
80	Supply of ceiling light suitable for 1x11W PL lamp with all accessories and lamp equivalent to FL262/118 of Philips.	no	124	185	Rupees one hundred and eighty five only	22,940.00
81	Supply of ceiling mounted luminaire suitable for use with 11W CFL lamp including all accessories and lamp equivalent to FMS 200/111 of Philips	no	15	185	Rupees one hundred and eighty five only	2,775.00

SL. No	DESCRIPTION	UNIT	QTY	RATE IN FIGURES (in Rs)	RATE IN WORDS (in Rs)	AMOUNT
82	Supply of surface mounted fluorescent luminaire suitable for use with 1x36 W fluorescent lamp complete with all accessories and lamp duly prewired equivalent to TCS19/136 LPF of Philips.	no	17	670	Rupees six hundred and seventy only	11,390.00
83	Supply of wall mounted luminaire (mirror light) suitable for use with 11W CFL lamp including all accessories	no	22	185	Rupees one hundred and eighty five only	4,070.00
84	Supply of Bollard type luminaire suitable for use with 9WPL lamp including all accessories equivalent to FGC 100 Philips.	no	3	3600	Rupees three thousand six hundred only	10,800.00
85	Supply of Bulk head suitable for use with 1x11W PL, complete with all accessories equivalent to FXC 101 Philips.	no	10	790	Rupees seven hundred and ninety only	7,900.00
86	Supply of wall bracket suitable for GLS lamp including all accessories and lamp equivalent to 05 B1Swedish of Deacon.	no	58	300	Rupees three hundred only	17,400.00
87	Supply of ceiling mounted luminaire suitable for use with 2x18W PL lamp including all accessories and lamp equivalent to FCS5 18 2xPLL18W 240V of Philips	no	132	1400	Rupees one thousand four hundred only	184,800.00
88	Supply of ceiling mounted luminaire suitable for use with 1x18W PL lamp including all accessories and lamp equivalent to FCS100 1xPLL18W 240V of Philips	no	210	1075	Rupees one thousand and seventy five only	225,750.00
89	Supply of wall mounted luminaire suitable for use with 1x70W MH lamp including all accessories and lamp equivalent to RVP339 1xMHNTD 70W 240V of Philips	no	28	5500	Rupees five thousand five hundred only	154,000.00
90	Supply of foot light luminaire suitable for use with 1x18WCFL lamp including all accessories and lamp equivalent to FSP 42118of Wipro.	no	150	2350	Rupees two thousand three hundred and fifty only	352,500.00
91	Supply of 1200mm ceiling fan 1200mm sweep double ball bearing without regulator equivalent to Crompton Greaves.	no	12	1100	Rupees one thousand and one hundred only	13,200.00
	Sub Total of Part-III					1,013,525.00
	<u>PART IV (FABRICATION WORK)</u>					
92	Supply and installation of cable tray and supports using M.S angles and plates of adequate size painted with one coat of Zinc chromate primer and two coats of black enamel paint.	kg	2500	75	Rupees seventy five only	187,500.00
93	Supply, fabrication and installation of chequered plates of 6mm thickness to use above the cable trenches duly supported with channels and duly finished and as required.	kg	450	85	Rupees eighty five only	38,250.00
	Sub Total Of Part IV					225,750.00
	<u>PART- V(OTHER EXPENSES)</u>					
94	Expenses for liaison work with KSEI for getting connection.	LS	LS			25,000.00
95	Expenses for liaison work with KSEB for getting approval	LS	LS			25,000.00
	Sub Total of Part-V					50,000.00

SL. No	DESCRIPTION	UNIT	QTY	RATE IN FIGURES (in Rs)	RATE IN WORDS (in Rs)	AMOUNT
ABSTRACT						
	Sub Total of part – I					4,880,452.20
	Sub Total of Part II.A					1,120,765.90
	Sub Total Of Part II B					143,540.00
	Sub Total of Part-II C					68,170.00
	Sub Total of Part-II D					201,296.40
	Sub Total of Part-III					1,013,525.00
	Sub Total Of Part IV					225,750.00
	Sub Total of Part-V					50,000.00
	TOTAL COST					7,703,499.50
	TOTAL AMOUNT					7,703,499.50

I/We agree to carry out the work at par with

- 1 * at estimate rate (in figures and words).....
 - 2 *..... % above estimate rate (in figures and words)
 - 3 *.....% of below the estimate rate (in figures and words)
- (less cost of departmental materials/ LS provisions and market rates)

NOTE : Strike out which \ever is not applicable

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

Date
Witness
Name
Address

Signature

Full name & address of
the tenderer

ABSTRACT OF COST
PROJECT: NATIONAL GAMES KERALA CORPORATION STADIUM
KOZHIKODE NEW BUILDING
POWER SUPPLY AND ELECTRIFICATION

PART I	(POWER SUPPLY)	4880452.20
PART IIA	(ITEMS OF WORK)	1120765.90
PART IIB	(TELEPHONE CABLING)	143540.00
PART IIC	(T.V CABLING)	68170.00
PART IID	(COMPUTER CABLING)	201296.40
PART III	(SUPPLY OF ITEMS)	1013525.00
PART IV	(FABRICATION WORK)	225750.00
PART V	(OTHER EXPENSES)	50000.00
GRAND TOTAL		7,703,499.50

**(RUPEES SEVENTY SEVEN LAKHS THREE THOUSAND FOUR
HUNDRED AND NINETY NINE & PAISE FIFTY ONLY)**