

| DESCRIPTION OF LOAD | Speciator's area 17 TR | Speciator's area 17 TR | Play of field 11 TR | Play of field 11 TR | Corridor 8.5 TR | PDB (A/C) |
|-----------------------------------|------------------------|------------------------|---------------------|---------------------|-----------------|-----------|
| CONNECTED LOAD (kW) | 21.25 | 21.25 | 13.75 | 13.75 | 10.625 | 11.3 |
| POWER CABLE (mm ²) AL | 25 | 25 | 16 | 16 | 10 | 35 |
| No. OF CORES | 4 | 4 | 4 | 4 | 4 | 3.5 |
| No. OF RUNS | 1 | 1 | 1 | 1 | 1 | 1 |
| LENGTH IN METERS | -- | -- | -- | -- | -- | -- |
| EARTHING (GI) | -- | -- | -- | -- | -- | -- |

| DESCRIPTION OF LOAD | Squash DB | Squash DB | Squash DB | Squash DB |
|-----------------------------------|-----------|-----------|-----------|-----------|
| CONNECTED LOAD (kW) | 2 | 2 | 2 | 2 |
| POWER CABLE (mm ²) AL | 25 | 25 | 25 | 25 |
| No. OF CORES | 4 | 4 | 4 | 4 |
| No. OF RUNS | 1 | 1 | 1 | 1 |
| LENGTH IN METERS | -- | -- | -- | -- |
| EARTHING (GI) | 10 | 10 | 10 | 10 |

| DESCRIPTION OF LOAD | LDB GF | PDB GF | LDB FF | PDB FF |
|-----------------------------------|--------|--------|--------|--------|
| CONNECTED LOAD (kW) | 5.46 | 5.24 | 3.35 | 3 |
| POWER CABLE (mm ²) AL | 16 | 25 | 16 | 16 |
| No. OF CORES | 4 | 4 | 4 | 4 |
| No. OF RUNS | 1 | 1 | 1 | 1 |
| LENGTH IN METERS | -- | -- | -- | -- |
| EARTHING (GI) | 10 | 10 | 10 | 10 |

| DESCRIPTION OF LOAD | Pump-1 2HP (W) | Pump-2 2HP (S/B) | Pump-3 2HP (W) | Pump-4 2HP (S/B) | Terrace pump 10HP |
|-----------------------------------|----------------|------------------|----------------|------------------|-------------------|
| CONNECTED LOAD (kW) | 1.5 | 1.5 | 1.5 | 1.5 | 7.5 |
| POWER CABLE (mm ²) AL | 4 | 4 | 4 | 4 | 6 |
| No. OF CORES | 3 | 3 | 3 | 3 | 3 |
| No. OF RUNS | 1 | 1 | 1 | 1 | 1 |
| LENGTH IN METERS | -- | -- | -- | -- | -- |
| EARTHING (GI) | 10 | 10 | 10 | 10 | 10 |

| DESCRIPTION OF LOAD | ULDB GF | ULDB FF |
|-----------------------------------|---------|---------|
| CONNECTED LOAD (kW) | 0.84 | 1.09 |
| POWER CABLE (mm ²) AL | 10 | 10 |
| No. OF CORES | 2 | 2 |
| No. OF RUNS | 1 | 1 |
| LENGTH IN METERS | -- | -- |
| EARTHING (GI) | 10 | 10 |

| LEGEND | |
|--------|---------------------|
| | NEUTRAL LINK |
| | CUT OUT FUSE |
| | ISOLATOR |
| | MCB |
| | MCCB |
| | CHANGE OVER SWITCH |
| | CURRENT TRANSFORMER |
| | DIGITAL VOLTMETER |
| | DIGITAL AMMETER |
| | INDICATION LAMP |
| | T.O.D METER |


NOTE:-
 #1 FOR DETAILS, REFER DRAWING No. 'DP 586 DRG EL 02 005' SHEET 1 OF 2
 #2 FOR DETAILS, REFER DRAWING No. 'DP 586 DRG EL 02 005' SHEET 2 OF 2, REVISION 1
 #3 FOR DETAILS, REFER DRAWING No. 'DP 586 DRG EL 02 006' SHEET 1 OF 1, REVISION 1

FOR TENDER PURPOSE ONLY

| DESCRIPTION OF LOAD | Exhaust fan -1 | Exhaust fan -2 | Exhaust fan -3 | Exhaust fan -4 | Exhaust fan -5 | Exhaust fan -6 | Exhaust fan -7 | Exhaust fan -8 |
|-----------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| CONNECTED LOAD (HP) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| POWER CABLE (mm ²) Cu | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| No. OF CORES | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| No. OF RUNS | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| LENGTH IN METERS | -- | -- | -- | -- | -- | -- | -- | -- |
| EARTHING (GI) | -- | -- | -- | -- | -- | -- | -- | -- |

| DESCRIPTION OF LOAD | SP-1 (PP2-1) Official im GF 1TR | SP-2 (PP2-2) Dope testing GF 1TR | SP-3 (PP2-3) Medical Centre GF 1TR | SP-4 (PP2-4) Director room GF 1TR | SP-5 (PP2-5) vjP Lounge GF 2TR | SP-6 (PP2-6) Work station GF 1.5TR | SP-7 (PP2-7) Media lounge GF 1.5TR |
|--|---|---|---|---|---|---|---|
| CONNECTED LOAD (kW) | 1.25 | 1.25 | 1.25 | 1.25 | 2.5 | 1.9 | 1.9 |
| POWER CABLE (mm ²) Cu wire | 2Rx4mm ² + 1Rx2.5mm ² | 2Rx4mm ² + 1Rx2.5mm ² | 2Rx4mm ² + 1Rx2.5mm ² | 2Rx4mm ² + 1Rx2.5mm ² | 2Rx4mm ² + 1Rx2.5mm ² | 2Rx4mm ² + 1Rx2.5mm ² | 2Rx4mm ² + 1Rx2.5mm ² |
| No. OF CORES | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| No. OF RUNS | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| LENGTH IN METERS | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| EARTHING (GI) | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| DESIGNED | CHECKED | DRAWN | CHECKED | APPROVED | SCALE | UNIT | DATE |
|--|-------------|--------------|---------|----------|--------|------|------------|
| | | <i>Sinty</i> | | | N.T.S. | | 11.12.2012 |
| REVISION | | | | | | | |
| SL.No. | PARTICULARS | INITIAL | DATE | | | | |
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 PUTHIYA ROAD - NH BYPASS, KOCHI - 28

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| CLIENT: | SPORTS & YOUTH AFFAIRS DEPARTMENT - NATIONAL GAMES SECRETARIAT |
| PROJECT: | SQUASH COURT (CHANDRASEKHARAN NAIR STADIUM) |
| TITLE: | POWER DISTRIBUTION DIAGRAM |
| DRG NO: | DP 586 DRG EL 02 002 |
| REV. | |
| SHEET NO: | 1 OF 1 |