

DRG. No.

BILL OF QUANTITY (FOR CONTROL ROOM)

	1 Nos
	2 Nos
	1 No (Spare)
	1 Nos
	1 No (Spare)
	13 Nos
	2 Nos (Spare)
	As required

- All dimensions are in mm.
- Smoke detector coverage radius is 7.5m in line with clause 6.3.2.a of IS 2189.
- The class of wiring shall be Class A as per IS 2189.
- Fire alarm system cable shall be minimum 2CX1.5 sqmm armoured PVC cable.
- Cable shall be laid concealed in PVC conduits.
- SCADA and conference Rooms with false ceiling shall have a detector at ceiling level as well as under false ceiling.

Smoke detector
Protection radius (7.5m)

PCU—Power Conditioning unit
ACDB— AC Distribution Board
FACP— Fire Alarm Control panel
NIFPS— Nitrogen Fire Protection System
OP1— Cutout for PCU duct
AW— Air Window
EF— Exhaust Fan
RS— Rolling Shutter

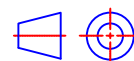
REV.	DATE	ALTERED	CHECKED	APPROVED	REV.	DATE	ALTERED	CHECKED	APPROVED

NAME	SIGN	DATE
AK		180619
SP		180619
PR		180619

DISTRIBUTION OF PRINTS



DEPT. CODE



PROJECT TITLE : 129MW SOLAR POWER PROJECT TELANGANA

OWNER : SCCL

CONSULTANT : SECI

BHARAT HEAVY ELECTRICALS LIMITED.
ELECTRONICS DIVISION, BANGALORE

TITLE:
MCR— FIRE AND SMOKE DETECTION LAYOUT

No. OF SHEETS	01
SHEET No.	01
REV	02

BHEL DRG. No. TENDER PURPOSE ONLY