MRR 1500 / MRR 3000 Multi-Operator Rectifier will be a wise choice where a large number of welding points are in use. Different jobs require welding current of different value, at varying duty cycle and at different point of time. Such a diversity in demand enables the use of Multi-Operator Rectifier to feed large number of operators through individual regulators. This number can be seen from the attached curve a little study of which reveals that investment cost per operator in this case is less than that when individual rectifier set per operator is used.

MRR 1500 and MRR 3000 sets are liberally designed and manufactured with quality materials to give a long trouble free service both indoors and outdoors. Proper protective relays and thermostats are provided to prevent any damage in the rectifier banks and the main transformer due to prolonged thermal overload or momentary overload due to short-circuit. For proper functioning of the sets in an extreme cold and humid condition heating elements are provided inside the sets which can be switched on before welding is started. The Ammeter, Voltmeter and all the controls are housed in a detachable box for easy inspection and servicing. The Open Circuit Voltage can be set at 58, 63 or 68 V for MRR 1500 and 55, 60 or 65 V for MRR 3000 by selecting suitable primary connections shown in charts given in the manual. To cut down cost of electricity lower Open Circuit Voltage should be chosen.
Since the multi-operator rectifier is of constant voltage type, the welder at every welding point shall have to use separate Current Regulator to select required welding current. The Current Regulator RG 500 is a natural choice for this purpose.

RG 500 is a resistance type current regulator designed and manufactured with high grade resistance wire of very low temperature coefficient ensuring steady current even when the resistance elements are heated up. These are sturdy and equally suitable for both indoor and outdoor operation. By pressing one or more of the seven current selector switches in a suitable combination the required welding current can be set at any of 95 values in a range of 6A to 593A in steps of 6/7A.