

## TECHNICAL SPECIFICATIONS OF ACETYLENE PLANT

S.No	Description	UA-15	UA-25	UA-50	UA-100	UA-200
1	Capacity Cubic Meter per hour	16	27.5	55	110	220
2	<b>Raw Material Required</b>					
	Raw material Calcium carbide (kg/m <sup>3</sup> of gas) Main raw material -cac2- carbide quality 5mm to 25 mm specify	3.3	3.3	3.3	3.3	3.3
	Power Power (average requirement)	10kw	12kw	15kw	28kw	40kw
	Water Cooling water make-up (liters/N.cubic meter of gas)	10	10	10	10	10
3	<b>CHEMICAL &amp; CONSUMABLES IN SMALLER QUANTITIES FOR PURIFYING PROCESS</b>					
	Calcium chloride (gms/N.cubic meter of gas) (one charge supplied inside LP drier)	50	50	50	50	50
	Purifying mass (gas plus acid absorption mix per cum of gas)	15gms/ N.Cu m+ 4gms	15gms/ N.Cu m+ 4gms	15gms/ N.Cu m + 4gms	15gms/ N.Cu m+ 4gms	15gms/ N.Cu m+ 4gms
	<b>CYLINDER FILLING</b>					
	Acetone in cylinders pumped through acetone pump	As required	As required	As required	As required	As required
4	Space Required (approx.)	As required	As required	As required	As required	As required
	Process Area	50 Sq.M.	70 Sq.M.	110 Sq.M.	150 Sq.M.	200 Sq.M.
	Carbide Area	60 Sq.M.	75 Sq.M.	112 Sq.M.	175 Sq.M.	250 Sq.M.
	Cylinder Filling Area	30 Sq.M.	40 Sq.M.	60 Sq.M.	100 Sq.M.	150 Sq.M.
	Cylinder storage area (depending upon cylinder inventory)	80 Sq.M.	100 Sq.M.	160 Sq.M.	200 Sq.M.	400 Sq.M.
	Lime slurry disposal area	80 Sq.M.	100 Sq.M.	180 Sq.M.	250 Sq.M.	300 Sq.M.
	Free space around the plant (on all sides)	15M	16 M	18.5M	20 M	20 M
	Acetone Godown	10 Sq.M.	12 Sq.M.	20 Sq.M.	30 Sq.M.	40 Sq.M.