

DETAIL CALCULATION FOR AREA OF THE PROTECTED FOREST LAND PROPOSED TO BE DIVERTED FOR ENTRY/EXIT AND MIDDLE APPROACH TO HPCL RETAIL OUTLET AS WELL AS NON FOREST AREA ON ALIGARH- GHAZIABAD ROAD NH-91 AT KM 60 (CH. 59.180, RHS) AT KHASRA NO.-165, VILLAGE- LALPUR, TEHSIL- SIKANDRABAD, DISTRICT- BULANDSHAHAR, UTTAR PRADESH

SL.NO.	MKD NO.	SHAPE	LENGTH	BREADTH	DEPTH/H EIGHT	ORD LENGTH	CURVE RADIUS (R)	CURVE HEIGHT (H)	AREA IN SQM	
ENTRY										
1	A	TRAIANGLE	19.977		9.166				91.555	
2	B	TRAIANGLE	8.198		14.487				59.382	
3	B'	CURVE PART				14.864	13	2.334	23.578743	
4	C	TRAIANGLE	23.696		4.249				50.342	
5	E	TRAIANGLE	62.048		6.079				188.595	
6	E'	CURVE PART				62.048	650	0.741	30.659386	
7	F	CURVE PART				19.977	26.57	1.949	26.153519	
8	G	CURVE PART				23.696	65.5	1.051	16.403269	
									AREA OF ENTRY	378.192659
									SAY	378.193
MIDDLE PART										
1	D	TRAIANGLE	23.132		5.141				59.461	
2	H	AREA OF TRAPEZIUM BCGF	27.032	15.259					412.481288	
3	I	RECTANGLE	38.064	5.141					195.687024	
4	M	TRAIANGLE	40.851		5.141				105.007	
5	O	CURVE PART				41.168	213.605	0.994	27.292018	
6	G	CURVE PART				23.696	65.5	1.08	17.085707	
7	F	CURVE PART				19.977	26.57	1.949	26.153519	
8	K	CURVE PART				17.845	18.799	2.254	27.163323	
									AREA OF MIDDLE PART	674.941745
									SAY	674.942
EXIT PART										
1	J	TRAIANGLE	12		15.186				91.116	
2	L	TRAIANGLE	18.385		12.791				117.581	
3	N	TRAIANGLE	41.168		4.248				87.441	
4	P	TRAIANGLE	57.032		6.562				187.122	
5	Q	TRAIANGLE	61.978		5.5				170.44	
6	K	CURVE PART				17.845	18.799	2.254	27.163323	
7	L'	CURVE PART				18.385	13	3.808	48.239426	
8	O	CURVE PART				41.168	213.605	0.994	27.292018	
9	P'	CURVE PART				57.032	650	0.626	23.807246	
									AREA OF EXIT	636.108669
									SAY	636.11
									TOTAL AREA	1689.245
									SAY	0.1689245 HAC.

LAND FOR RETAIL OUTLET

SL.NO	SHAPE	L	B	D	AREA IN SQM
1	RECTANGLE	40	45		1800.00
					SAY 0.1800 HAC.

AREA OF TRAIANGLE
 AREA OF PARALLELOGRAM
 AREA OF CURVE PART
 AREA OF RECTANGLE

0.5XBASEXHEIGHT
 AVERAGE OF TWO PARALLEL SIDES X DISTANCE BETWEEN PARELLEL SIDE
 $\{R^2[\cos^{-1}(R-H)/R]-(R-H) \text{ SQRT } (2RXH-H^2)\}$
 LENGTH X WIDTH

Singh
 विकीत सिंह
 प्रभागीय निदेशक,
 सामाजिक कर्मिकी प्रभाग,
 बलनशहर।

Aditya Vikram Singh
ADITYA VIKRAM SINGH
 Chief Regional Manager
 and Duty Constituted Attorney of
 Hindustan Petroleum Corporation Ltd.
 (A Govt. of India Enterprises)

Rakesh Gupta
RAKESH GUPTA
 Dy. General Manager-Retail
 and Duty Constituted Attorney of
 Hindustan Petroleum Corporation Ltd.
 (A Govt. of India Enterprises)

क्षेत्रीय वनाधिकारी
 बलनशहर (ब०शहर)