#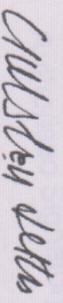 PROPOSED FOREST LAND AREA CALCULATION SHEET AS PER P.W.D. APPROVED LAYOUT PLAN OF THE PROPOSED NEW RETAIL OUTLET AT VILLAGE-RAJPUR, TEHSIL-ETAH, DISTRICT.-ETAH (U.P.)

S.NO.	NAME OF THE LOCATION	APROACH ROAD FOR ENTRY/ EXIT/ MIDDLE		LENGTH (IN METER)	WIDTH (IN METER)	AREA (IN SQ. METER)	TOTAL AREA (IN SQ. METER)	NATURE OF THE LAND
1	2	3	4	5	6	7	8	9
A	ETAH-ALIGANJ ROAD (M.D.R.-98) VILLAGR-RAJPUR, TEHSIL-ETAH, DISTRICT-ETAH	ENTRY ROAD	PART-A	11.500	15.540	178.710	214.77	ROAD SIDE PROTECTED FOREST LAND
B			PART-B	84.50-48.44		36.06		
C		EXIT ROAD	PART-A	11.500	15.540	178.710	214.77	
D			PART-B	84.5-48.44		36.06		
E		MIDDLE LAND BETWEEN ENTRY & EXIT ROAD	PART-C	12.000	15.540	186.48	186.48	

TOTAL AREA:- 616.02 SQM OR 0.0616 HECTARE

क्षेत्रीय निदेशक
सा०ना० वानिकी प्रभाग
एटा एवं

(एस० पी० सिंह)
क्षेत्रीय वन अधिकारी
एटा रेन्ज, एटा।

For ESSAR OIL LIMITED
Gulshan Jethi
Authorised Signatory

ESSAR

ESSAR OIL LTD

SUBJECT:
LAYOUT PLAN OF NEW RETAIL-OUTLET ON
ETAH-ALIGANJ ROAD
(M.D.R. NO. 98), CH.NO. 25.118
VILL. :- RAJPUR
PARGANA :- SAUHAR
KHASAR NO. :- 171
TEH. :- ETAH,
POL. STATION:- BAG WALA
NEAREST RLY.- ETAH
DISTT.- ETAH (U.P.)

(R.O.W.)

KMS NO-25
ETAH-25.0KM.
ALIGANJ-27.0KM.

118.0M

R.13000

38.19

TO ETAH

13000

B

13000

A

11500

C

12000

A

11500

15540

13000

B

13000

38.19

R.13000

847.0M

KMS NO-26
ALIGANJ-26.0KM.
ETAH-26.0KM.

(R.O.W.)

ALIGANJ

5500

(5.50M WIDE CARRIAGE WAY)

M.D.R. NO. -98
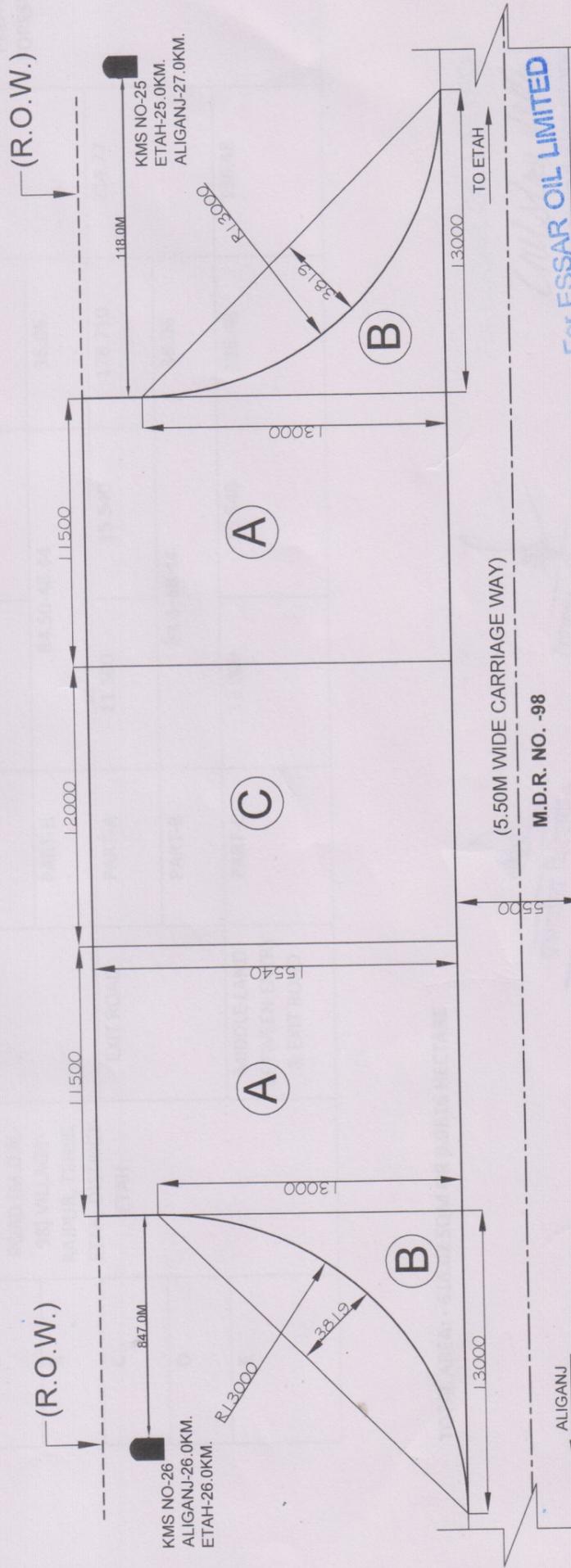
LAY-OUT PLAN

For ESSAR OIL LIMITED

Authorised Signatory

(रघु० पाठ० सिंह)
क्षेत्रीय वन अधिकारी
। एटा रेन्ज एटा।

सामाजिक निदेशक
सामा० वानिकी प्रभाग
एटा

PART A = AREA OF REACTANGLE

$= 11.50 \times 15.540$

$= 178.71$ SQM

PART B = AREA OF SEGMENT

= AREA OF TRIANGLE - AREA OF CURVE

$= \{(1/2 \times b \times h)\} - \{R^2[\cos^{-1}(R-H)/R] - (R-H)\sqrt{(2\times R\times H - H^2)}\}$

WHERE, b = BASE OF TRIANGLE

h = HEIGHT OF TRIANGLE

R = RADIUS OF CURVE

H = HEIGHT OF SEGMENT

$= \{1/2 \times 13 \times 13\} - \{13^2[\cos^{-1}(13-3.819)/13] - (13-3.819)\sqrt{(2\times13\times3.819-3.819^2)}\}$

$= \{84.50\} - \{132.94 - 84.50\}$

$= 84.50 - 48.44$

$= 36.06$ SQM

TOTAL AREA OF ENTRY ROAD = PART A + PART B

$= 178.71 + 36.06$

$= 214.77$ SQM

TOTAL AREA OF EXIT ROAD = PART A + PART B

$= 178.71 + 36.06$

$= 214.77$ SQM

AREA OF THE MIDDLE LAND BETWEEN ENTRY AND EXIT ROAD = (12.00×15.540) = 186.48 SQM

TOTAL AREA = ENTRY ROAD + EXIT ROAD + MIDDLE LAND = 214.77 + 214.77 + 186.48 = 616.02 SQM   Say 616.0 sqm

OR 0.0616 HECTARE

For ESSAR OIL LIMITED

Gulshan Sethi

Authorised Signatory

(एस0 पी0 सिंह)
क्षेत्रीय वन अधिकारी
एटा रेन्ज, एटा।

प्रभागीय निदेशक
सामा0 वानिकी प्रभाग
एटा।