



# Challenges of Grain-based Ethanol Plants

Presented to

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Hon'ble Minister of Commerce and Industry

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December 2025

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# Achievement of EBPP ESY 2024-25



Ethanol Supply to OMC	
ESY 2024-25	Cr. Ltr
<b>FEED STOCK</b>	<b>Supply</b>
MAIZE	478.00
SFG	133.00
DFG	76.00
<b>Total Grain</b>	<b>687.00</b>
SCJ	162.00
BHM	137.00
CHM	17.00
<b>Total SC</b>	<b>316.00</b>
<b>Total</b>	<b>1,003.00</b>

- Forex saved in imports:
  - Rs. 1.25 Lakh crore in a decade
  - Rs. 40,000 crores in ESY 2024-25
- Forex earned through DDGS Exports
  - Rs. 890 crore during ESY 2024-25
- Corresponding benefit to farmers and rural economy
  - Rs. 50,000 crores during ESY 2024-25

# Achievement in DDGS Export



DDGS Export Overview										
	2025 (10 Months)		2024		2023		2022		2021	
Product	Qty (MT)	USD/MT	Qty (MT)	USD/MT	Qty (MT)	USD/MT	Qty (MT)	USD/MT	Qty (MT)	USD/MT
RICE DDGS	57,512	249	50,110	316	56,307	404	8,734	396	60	538
MAIZE DDGS	1,26,324	212	1,66,616	223	25,597	257	90	247	-	-
DDGS	1,06,512	210	42,829	236	3,244	338	2,507	514	1,907	519
ANIMAL FEED	1,90,137	224	1,39,841	253	25,920	353	968	405	30	384
Grand Total	4,80,485	221	3,99,397	246	1,11,068	356	12,299	420	1,998	535

- India has become the leading exporter of DDGS and animal nutrition with in a short period of 5 Years
- Target export destinations are: Vietnam, Nepal, Bangladesh, Sri Lanka, Malaysia, Indonesia & Thailand.
- Projected to become exporter of 1 Million Ton by 2028, due to robust global demand, replacing the US DDGS.
- Domestic industry of cattle feed and animal nutrition has increased their consumption of DDGS exponentially replacing use of grain

# Allocation Overview C-1 ESY 2025-26



ESY 2025-26 C-1		Cr. Ltr	Allocation to Offer %
FEED STOCK	Offer	Allocation	
MAIZE	832	478.9	57.6
SFG	397	233.3	58.8
DFG	76	47.6	62.6
<b>Total Grain</b>	<b>1305</b>	<b>759.80</b>	<b>58.2</b>
SCJ	299	165.9	55.5
BHM	159	110.5	69.5
CHM	13	12.2	93.8
<b>Total SC</b>	<b>471</b>	<b>288.60</b>	<b>61.3</b>
<b>Total</b>	<b>1,776.00</b>	<b>1,048.40</b>	<b>59.0</b>

- Overall allocations are at 59% against the offered capacity, leaving the remaining capacity unutilized
- Some units have received allocation up to 100%, while few have received orders merely 22% against offer.
- Grain has 75% supply commitment of the total demand
- Around 45% ethanol will be supplied from Maize feedstock

# Allocation & Offer Overview ESY 2025-26



C-1 2025-26 ANALYSIS			ALLOCATIONS			OFFER			ANALYSIS			Primary CROP
S.no.	States	OMC Requirement	Sugar	Grain	TOTAL	Sugar	Grain	Total	% Alloc to Offer	% N-LTA Grain	Capacity to Requiremen	
1	Uttar Pradesh	144.58	58.71	92.36	151.08	59.08	165.36	224.43	70%	63%	1.68	Sugarcane
	Delhi	29.59	0.00	33.88	33.88	0.00	38.41	38.41				
2	Maharashtra	114.56	115.12	29.38	144.50	200.37	65.41	265.78	54%	39%	2.32	Sugarcane
3	Karnataka	86.49	98.04	36.30	134.34	190.55	135.88	326.44	41%	22%	3.77	Sugarcane
4	Madhya Pradesh	44.00	4.61	58.28	62.88	5.30	138.02	143.32	44%	22%	3.26	Maize/ Rice
5	Punjab	41.39	1.10	52.14	53.24	1.10	103.66	104.76	51%	42%	2.53	Rice
6	Haryana	46.10	0.65	48.39	49.04	0.65	74.49	75.14	65%	48%	1.63	
7	West Bengal	40.19	0.00	48.91	48.91	0.00	82.55	82.55	59%	29%	2.05	Maize/ Rice
8	Andhra Pradesh	46.37	0.20	47.22	47.42	0.20	56.00	56.20	84%		1.21	Maize/ Rice
9	Bihar	31.56	3.68	40.28	43.95	3.68	94.02	97.70	45%	25%	3.10	Maize/ Rice
10	Telangana	48.43	0.34	42.05	42.39	0.34	43.84	44.18	96%		0.91	Maize/ Rice
11	Gujarat	50.16	0.37	37.45	37.82	0.44	37.47	37.91	100%		0.76	
12	Odisha	32.33	1.91	34.59	36.50	1.91	43.36	45.27	81%	68%	1.40	Rice
13	Jharkhand	20.21	0.00	29.78	29.78	0.00	57.17	57.17	52%		2.83	
14	Chhattisgarh	24.86	0.78	28.51	29.28	0.78	48.41	49.18	60%	48%	1.98	Rice
15	Assam	28.78	0.00	28.78	28.78	0.00	29.71	29.71	97%		1.03	
16	Rajasthan	48.13	0.00	20.35	20.35	0.00	20.38	20.38	100%		0.42	
17	Tamil Nadu	91.66	1.01	16.50	17.51	1.01	16.50	17.51	100%		0.19	Maize/ Rice
18	Uttarakhand	6.81	1.94	10.90	12.84	6.23	19.68	25.91	50%	41%	3.80	
19	Himachal Pradesh	7.22	0.00	8.68	8.68	0.00	14.08	14.08	62%	25%	1.95	
20	Jammu & Kashmir	3.25	0.00	6.27	6.27	0.00	7.20	7.20	87%		2.22	
21	Meghalaya	4.20	0.00	4.65	4.65	0.00	4.85	4.85	96%		1.16	
22	Kerala	52.73	0.00	4.11	4.11	0.00	8.40	8.40	49%		0.16	
23	Goa	6.42	0.00	0.00	0.00	0.00	0.00	0.00			0.00	
<b>Total</b>		<b>1050.02</b>	<b>288.45</b>	<b>759.75</b>	<b>1048.20</b>	<b>471.63</b>	<b>1304.86</b>	<b>1776.49</b>			<b>1.69</b>	

- Concentration of allocations is visible in certain states with both sugarcane and grain as feedstock
- Leading grain producing states are projected much lower requirements and have received low allocations correspondingly
- States such as Bihar and Madhya Pradesh are leading producers of grain and in much need for Agri-based industrialization

# YoY Comparison (C-1 ESY24-25 Vs. ESY25-26)



YoY Comparison (C-1 ESY 2024-25 Vs. C-1 ESY 2025-26)

Cr. Litre	ESY 2024-25; C-1 Allocations				ESY 2025-26; C-1 Allocations				Diff. in allocations	% change YoY	Producer of	
	Sugar	Grain	TOTAL	OMC Req	Sugar	Grain	TOTAL	OMC Req			RICE	MAIZE
Bihar	2.91	56.24	59.15	26.58	3.68	40.28	43.95	31.56	-15.19	-26%	Top 10	Top 5
Punjab	1.20	61.08	62.28	33.56	1.10	52.14	53.24	41.39	-9.04	-15%	Top 5	
Madhya Pradesh	5.66	59.67	65.33	39.17	4.61	58.28	62.88	44.00	-2.44	-4%	Top 10	Top 5
Kerala	0.00	5.58	5.58	46.17	0.00	4.11	4.11	52.73	-1.47	-26%		
Uttarakhand	3.43	10.26	13.69	6.12	1.94	10.90	12.84	6.81	-0.85	-6%		
Goa				5.57	0.00	0.00	0.00	6.42	0.00			
Himachal Pradesh	0.00	6.78	6.78	6.1	0.00	8.68	8.68	7.22	1.90	28%		
Meghalaya	0.00	2.64	2.64	2.64	0.00	4.65	4.65	4.20	2.01	76%		
Karnataka	93.13	35.08	128.21	73.31	98.04	36.30	134.34	86.49	6.13	5%		Top 5
Jammu & Kashmir				1.74	0.00	6.27	6.27	3.25	6.27			
Delhi	3.20	23.66	26.86	25.58	0.00	33.88	33.88	29.59	7.02	26%		
Haryana	2.35	37.71	40.06	40.88	0.65	48.39	49.04	46.10	8.98	22%		
Chhattisgarh	2.10	17.96	20.06	21.66	0.78	28.51	29.28	24.86	9.22	46%	Top 5	
West Bengal	0.00	38.72	38.72	36.04	0.00	48.91	48.91	40.19	10.19	26%	Top 5	Top 10
Uttar Pradesh	82.89	57.66	140.55	124.69	58.71	92.36	151.08	144.58	10.53	7%	Top 5	Top 10
Tamil Nadu	0.88	5.44	6.32	84.98	1.01	16.50	17.51	91.66	11.20	177%	Top 10	Top 10
Jharkhand	0.00	12.84	12.84	17.2	0.00	29.78	29.78	20.21	16.94	132%		
Assam	0.00	11.80	11.80	27.63	0.00	28.78	28.78	28.78	16.98	144%		
Maharashtra	110.57	15.07	125.64	96.64	115.12	29.38	144.50	114.56	18.86	15%		Top 5
Odisha	1.43	14.80	16.23	27.7	1.91	34.59	36.50	32.33	20.27	125%	Top 10	
Rajasthan				44.09	0.00	20.35	20.35	48.13	20.35			Top 10
Andhra Pradesh	0.95	23.50	24.45	42.15	0.20	47.22	47.42	46.37	22.97	94%	Top 10	Top 10
Gujarat	1.01	11.72	12.73	43.45	0.37	37.45	37.82	50.16	25.09	197%		
Telangana	0.00	16.76	16.76	42.44	0.34	42.05	42.39	48.43	25.63	153%	Top 5	Top 5
<b>Grand Total</b>	<b>311.72</b>	<b>524.95</b>	<b>836.67</b>	<b>916.09</b>	<b>288.45</b>	<b>759.75</b>	<b>1048.20</b>	<b>1050.02</b>	<b>211.53</b>	<b>25%</b>		

- Ethanol allocation has increased to 1048 Cr. Ltr from 836 Cr. Ltr in the C-1 of previous year => 25% increase
- Yet allocations have reduced up to 26% in some states as indicated in the table on left
- Balanced allocation methodology should be adopted by OMCs

# Challenges and Solutions



## Challenges

- Low purchase orders (allocations) from OMCs
- Underutilization of capacity already built-up
- Financial Burden. Threat of NPA
- Higher operating cost due to low-capacity utilization

## Solutions

- Increase ethanol blending percentage immediately
- Promote fast-track adoption of flex-fuel hybrid vehicles through a concessional tax structure
- Re-design the allocation methodology to ensure pan-India development and sustainable operations
- Prepare a roadmap to save up to ₹2 lakh crore in foreign exchange
- Promote DDGS exports
- Stop approval of new capacity under IEM unless recommended by the OMCs

# Representation on Challenges of Grain Based Ethanol Plants



Thank You  
for your support

**GRAIN ETHANOL**  
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