



Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges

Name of the Petitioner : Damodar Valley Corporation  
Name of the Generating BTPS-A  
Month : JUNE-2023

Sl	DESCRIPTION	UNIT	Domestic	Imported
A)	OPENING QUANTITY			
1.	Opening quantity of Oil	(KL)	3424.27	-
2.	Value of Stock	(Rs.)	200597448.92	-
B)	QUANTITY			
3.	Quantity of Oil supplied by Oil Company	(KL)	0	-
4.	Adjustment (+/-) in quantity supplied made by Oil Company	(KL)	0	-
5.	Oil supplied by Oil Company (3+4)	(KL)	0	-
6.	Normative Transit & Handling Losses (For oil based Projects)	(KL)	0	-
7.	Net Oil Supplied (5-7)	(KL)	0	-
C)	PRICE			
8.	Amount charged by the Oil Company	(Rs.)	0	-
9.	Adjustment (+/-) in amount charged made by Oil Company	(Rs.)	0	-
10.	Handling, Sampling and such other similar charges	(Rs.)	0	-
11.	Total amount charged (8+9+10)	(Rs.)	0	-
D)	TRANSPORTATION			
12.	Transportation charges by rail/ship/road/other transport	(Rs.)	0	-
	By Rail	(Rs.)	0	-
	By Road	(Rs.)	0	-
	By Ship	(Rs.)	0	-
	Other Means	(Rs.)	0	-
13.	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	0	-
14.	Demurrage Charges, if any	(Rs.)	0	-
15.	Cost of diesel in transporting oil through MGR system, if applicable	(Rs.)	0	-
16.	Total transportation charges (12+13+14+15)	(Rs.)	0	-
17.	Total amount charged for oil supplied including transportation (11+16)	(Rs.)	0	-
E)	TOTAL COST			
18.	Landed cost of Oil (2+17)/(1+7)	Rs./KL	58581.08	-
19.	Blending Ratio (Domestic/Imported)	%		
20.	Weighted average cost of Oil for preceding three months	Rs./KL		-
F)	QUALITY			
21.	GCV of Domestic Oil of the opening oil stock as per bill of Oil Company	(kCal/ Lit)	NA	-
22.	GCV of Domestic Oil supplied as per bill of Oil Company	(kCal/ Lit)	NA	-
23.	GCV of Imported Oil of the opening stock as per bill Oil Company	(kCal/ Lit)	NA	-
24.	GCV of Imported Oil supplied as per bill Oil Company	(kCal/ Lit)	NA	-
25.	Weighted average GCV of oil as Billed	(kCal/ Lit)		-
26.	GCV of Domestic Oil of the opening stock as received at Station	(kCal/ Lit)	9622.69	-
27.	GCV of Domestic Oil supplied as received at Station	(kCal/ Lit)	0	-
28.	GCV of Imported Oil of opening stock as received at Station	(kCal/ Lit)		-
29.	GCV of Imported Oil supplied as received at Station	(kCal/ Lit)		-
30.	Weighted average GCV of oil as Received	(kCal/ Lit)	9622.69	-



Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges

Name of the Petitioner : Damodar Valley Corporation  
Name of the Generating CTPS (7-8)  
Month : JUNE-2023

Sl	DESCRIPTION	UNIT	Domestic	Imported
A)	OPENING QUANTITY			
1.	Opening quantity of Oil	(KL)	1718.07	-
2.	Value of Stock	(Rs.)	135672550.34	-
B)	QUANTITY			
3.	Quantity of Oil supplied by Oil Company	(KL)	0	-
4.	Adjustment (+/-) in quantity supplied made by Oil Company	(KL)	0	-
5.	Oil supplied by Oil Company (3+4)	(KL)	0	-
6.	Normative Transit & Handling Losses (For oil based Projects)	(KL)	0	-
7.	Net Oil Supplied (5-7)	(KL)	0	-
C)	PRICE			
8.	Amount charged by the Oil Company	(Rs.)	0	-
9.	Adjustment (+/-) in amount charged made by Oil Company	(Rs.)	0	-
10.	Handling, Sampling and such other similar charges	(Rs.)	0	-
11.	Total amount charged (8+9+10)	(Rs.)	0	-
D)	TRANSPORTATION			
12.	Transportation charges by rail/ship/road/other transport	(Rs.)	0	-
	By Rail	(Rs.)	0	-
	By Road	(Rs.)	0	-
	By Ship	(Rs.)	0	-
	Other Means	(Rs.)	0	-
13.	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	0	-
14.	Demurrage Charges, if any	(Rs.)	0	-
15.	Cost of diesel in transporting oil through MGR system, if applicable	(Rs.)	0	-
16.	Total transportation charges (12+13+14+15)	(Rs.)	0	-
17.	Total amount charged for oil supplied including transportation (11+16)	(Rs.)	0	-
E)	TOTAL COST			
18.	Landed cost of Oil (2+17)/(1+7)	Rs./KL	78968	-
19.	Blending Ratio (Domestic/Imported)	%		
20.	Weighted average cost of Oil for preceding three months	Rs./KL		-
F)	QUALITY			
21.	GCV of Domestic Oil of the opening oil stock as per bill of Oil Company	(kCal/ Lit)	NA	-
22.	GCV of Domestic Oil supplied as per bill of Oil Company	(kCal/ Lit)	NA	-
23.	GCV of Imported Oil of the opening stock as per bill Oil Company	(kCal/ Lit)	NA	-
24.	GCV of Imported Oil supplied as per bill Oil Company	(kCal/ Lit)	NA	-
25.	Weighted average GCV of oil as Billed	(kCal/ Lit)		-
26.	GCV of Domestic Oil of the opening stock as received at Station	(kCal/ Lit)	9813.87	-
27.	GCV of Domestic Oil supplied as received at Station	(kCal/ Lit)	0	-
28.	GCV of Imported Oil of opening stock as received at Station	(kCal/ Lit)		-
29.	GCV of Imported Oil supplied as received at Station	(kCal/ Lit)		-
30.	Weighted average GCV of oil as Received	(kCal/ Lit)	9813.87	-



Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges

Name of the Petitioner : Damodar Valley Corporation  
Name of the Generating DSTPS (1-2)  
Month : JUNE-2023

Sl	DESCRIPTION	UNIT	Domestic	Imported
A)	OPENING QUANTITY			
1.	Opening quantity of Oil	(KL)	2069.06	-
2.	Value of Stock	(Rs.)	122593017.17	-
B)	QUANTITY			
3.	Quantity of Oil supplied by Oil Company	(KL)	0	-
4.	Adjustment (+/-) in quantity supplied made by Oil Company	(KL)	0	-
5.	Oil supplied by Oil Company (3+4)	(KL)	0	-
6.	Normative Transit & Handling Losses (For oil based Projects)	(KL)	0	-
7.	Net Oil Supplied (5-7)	(KL)	0	-
C)	PRICE			
8.	Amount charged by the Oil Company	(Rs.)	0	-
9.	Adjustment (+/-) in amount charged made by Oil Company	(Rs.)	0	-
10.	Handling, Sampling and such other similar charges	(Rs.)	0	-
11.	Total amount charged (8+9+10)	(Rs.)	0	-
D)	TRANSPORTATION			
12.	Transportation charges by rail/ship/road/other transport	(Rs.)	0	-
	By Rail	(Rs.)	0	-
	By Road	(Rs.)	0	-
	By Ship	(Rs.)	0	-
	Other Means	(Rs.)	0	-
13.	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	0	-
14.	Demurrage Charges, if any	(Rs.)	0	-
15.	Cost of diesel in transporting oil through MGR system, if applicable	(Rs.)	0	-
16.	Total transportation charges (12+13+14+15)	(Rs.)	0	-
17.	Total amount charged for oil supplied including transportation (11+16)	(Rs.)	0	-
E)	TOTAL COST			
18.	Landed cost of Oil (2+17)/(1+7)	Rs./KL	59250.59	-
19.	Blending Ratio (Domestic/Imported)	%		
20.	Weighted average cost of Oil for preceding three months	Rs./KL		-
F)	QUALITY			
21.	GCV of Domestic Oil of the opening oil stock as per bill of Oil Company	(kCal/ Lit)	NA	-
22.	GCV of Domestic Oil supplied as per bill of Oil Company	(kCal/ Lit)	NA	-
23.	GCV of Imported Oil of the opening stock as per bill Oil Company	(kCal/ Lit)	NA	-
24.	GCV of Imported Oil supplied as per bill Oil Company	(kCal/ Lit)	NA	-
25.	Weighted average GCV of oil as Billed	(kCal/ Lit)		-
26.	GCV of Domestic Oil of the opening stock as received at Station	(kCal/ Lit)	10296.94	-
27.	GCV of Domestic Oil supplied as received at Station	(kCal/ Lit)	0	-
28.	GCV of Imported Oil of opening stock as received at Station	(kCal/ Lit)		-
29.	GCV of Imported Oil supplied as received at Station	(kCal/ Lit)		-
30.	Weighted average GCV of oil as Received	(kCal/ Lit)	10296.94	-



Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges

Name of the Petitioner : Damodar Valley Corporation  
Name of the Generating KTPS (1-2)  
Month : JUNE-2023

Sl	DESCRIPTION	UNIT	Domestic	Imported
A)	OPENING QUANTITY			
1.	Opening quantity of Oil	(KL)	3441.61	-
2.	Value of Stock	(Rs.)	192707984.07	-
B)	QUANTITY			
3.	Quantity of Oil supplied by Oil Company	(KL)	0	-
4.	Adjustment (+/-) in quantity supplied made by Oil Company	(KL)	0	-
5.	Oil supplied by Oil Company (3+4)	(KL)	0	-
6.	Normative Transit & Handling Losses (For oil based Projects)	(KL)	0	-
7.	Net Oil Supplied (5-7)	(KL)	0	-
C)	PRICE			
8.	Amount charged by the Oil Company	(Rs.)	0	-
9.	Adjustment (+/-) in amount charged made by Oil Company	(Rs.)	0	-
10.	Handling, Sampling and such other similar charges	(Rs.)	0	-
11.	Total amount charged (8+9+10)	(Rs.)	0	-
D)	TRANSPORTATION			
12.	Transportation charges by rail/ship/road/other transport	(Rs.)	0	-
	By Rail	(Rs.)	0	-
	By Road	(Rs.)	0	-
	By Ship	(Rs.)	0	-
	Other Means	(Rs.)	0	-
13.	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	0	-
14.	Demurrage Charges, if any	(Rs.)	0	-
15.	Cost of diesel in transporting oil through MGR system, if applicable	(Rs.)	0	-
16.	Total transportation charges (12+13+14+15)	(Rs.)	0	-
17.	Total amount charged for oil supplied including transportation (11+16)	(Rs.)	0	-
E)	TOTAL COST			
18.	Landed cost of Oil (2+17)/(1+7)	Rs./KL	55993.56	-
19.	Blending Ratio (Domestic/Imported)	%		
20.	Weighted average cost of Oil for preceding three months	Rs./KL		-
F)	QUALITY			
21.	GCV of Domestic Oil of the opening oil stock as per bill of Oil Company	(kCal/ Lit)	NA	-
22.	GCV of Domestic Oil supplied as per bill of Oil Company	(kCal/ Lit)	NA	-
23.	GCV of Imported Oil of the opening stock as per bill Oil Company	(kCal/ Lit)	NA	-
24.	GCV of Imported Oil supplied as per bill Oil Company	(kCal/ Lit)	NA	-
25.	Weighted average GCV of oil as Billed	(kCal/ Lit)		-
26.	GCV of Domestic Oil of the opening stock as received at Station	(kCal/ Lit)	10394.42	-
27.	GCV of Domestic Oil supplied as received at Station	(kCal/ Lit)	0	-
28.	GCV of Imported Oil of opening stock as received at Station	(kCal/ Lit)		-
29.	GCV of Imported Oil supplied as received at Station	(kCal/ Lit)		-
30.	Weighted average GCV of oil as Received	(kCal/ Lit)	10394.42	-



Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges

Name of the Petitioner : Damodar Valley Corporation  
Name of the Generating MTPS (1-4)  
Month : JUNE-2023

Sl	DESCRIPTION	UNIT	Domestic	Imported
A)	OPENING QUANTITY			
1.	Opening quantity of Oil	(KL)	1235.28	-
2.	Value of Stock	(Rs.)	91646393.02	-
B)	QUANTITY			
3.	Quantity of Oil supplied by Oil Company	(KL)	0	-
4.	Adjustment (+/-) in quantity supplied made by Oil Company	(KL)	0	-
5.	Oil supplied by Oil Company (3+4)	(KL)	0	-
6.	Normative Transit & Handling Losses (For oil based Projects)	(KL)	0	-
7.	Net Oil Supplied (5-7)	(KL)	0	-
C)	PRICE			
8.	Amount charged by the Oil Company	(Rs.)	0	-
9.	Adjustment (+/-) in amount charged made by Oil Company	(Rs.)	0	-
10.	Handling, Sampling and such other similar charges	(Rs.)	0	-
11.	Total amount charged (8+9+10)	(Rs.)	0	-
D)	TRANSPORTATION			
12.	Transportation charges by rail/ship/road/other transport	(Rs.)	0	-
	By Rail	(Rs.)	0	-
	By Road	(Rs.)	0	-
	By Ship	(Rs.)	0	-
	Other Means	(Rs.)	0	-
13.	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	0	-
14.	Demurrage Charges, if any	(Rs.)	0	-
15.	Cost of diesel in transporting oil through MGR system, if applicable	(Rs.)	0	-
16.	Total transportation charges (12+13+14+15)	(Rs.)	0	-
17.	Total amount charged for oil supplied including transportation (11+16)	(Rs.)	0	-
E)	TOTAL COST			
18.	Landed cost of Oil (2+17)/(1+7)	Rs./KL	74190.79	-
19.	Blending Ratio (Domestic/Imported)	%		
20.	Weighted average cost of Oil for preceding three months	Rs./KL		-
F)	QUALITY			
21.	GCV of Domestic Oil of the opening oil stock as per bill of Oil Company	(kCal/ Lit)	NA	-
22.	GCV of Domestic Oil supplied as per bill of Oil Company	(kCal/ Lit)	NA	-
23.	GCV of Imported Oil of the opening stock as per bill Oil Company	(kCal/ Lit)	NA	-
24.	GCV of Imported Oil supplied as per bill Oil Company	(kCal/ Lit)	NA	-
25.	Weighted average GCV of oil as Billed	(kCal/ Lit)		-
26.	GCV of Domestic Oil of the opening stock as received at Station	(kCal/ Lit)	10007.86	-
27.	GCV of Domestic Oil supplied as received at Station	(kCal/ Lit)	0	-
28.	GCV of Imported Oil of opening stock as received at Station	(kCal/ Lit)		-
29.	GCV of Imported Oil supplied as received at Station	(kCal/ Lit)		-
30.	Weighted average GCV of oil as Received	(kCal/ Lit)	10007.86	-



Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges

Name of the Petitioner : Damodar Valley Corporation  
Name of the Generating MTPS (5-6)  
Month : JUNE-2023

Sl	DESCRIPTION	UNIT	Domestic	Imported
A)	OPENING QUANTITY			
1.	Opening quantity of Oil	(KL)	1788.03	-
2.	Value of Stock	(Rs.)	144128503.09	-
B)	QUANTITY			
3.	Quantity of Oil supplied by Oil Company	(KL)	0	-
4.	Adjustment (+/-) in quantity supplied made by Oil Company	(KL)	0	-
5.	Oil supplied by Oil Company (3+4)	(KL)	0	-
6.	Normative Transit & Handling Losses (For oil based Projects)	(KL)	0	-
7.	Net Oil Supplied (5-7)	(KL)	0	-
C)	PRICE			
8.	Amount charged by the Oil Company	(Rs.)	0	-
9.	Adjustment (+/-) in amount charged made by Oil Company	(Rs.)	0	-
10.	Handling, Sampling and such other similar charges	(Rs.)	0	-
11.	Total amount charged (8+9+10)	(Rs.)	0	-
D)	TRANSPORTATION			
12.	Transportation charges by rail/ship/road/other transport	(Rs.)	0	-
	By Rail	(Rs.)	0	-
	By Road	(Rs.)	0	-
	By Ship	(Rs.)	0	-
	Other Means	(Rs.)	0	-
13.	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	0	-
14.	Demurrage Charges, if any	(Rs.)	0	-
15.	Cost of diesel in transporting oil through MGR system, if applicable	(Rs.)	0	-
16.	Total transportation charges (12+13+14+15)	(Rs.)	0	-
17.	Total amount charged for oil supplied including transportation (11+16)	(Rs.)	0	-
E)	TOTAL COST			
18.	Landed cost of Oil (2+17)/(1+7)	Rs./KL	80607.43	-
19.	Blending Ratio (Domestic/Imported)	%		
20.	Weighted average cost of Oil for preceding three months	Rs./KL		-
F)	QUALITY			
21.	GCV of Domestic Oil of the opening oil stock as per bill of Oil Company	(kCal/ Lit)	NA	-
22.	GCV of Domestic Oil supplied as per bill of Oil Company	(kCal/ Lit)	NA	-
23.	GCV of Imported Oil of the opening stock as per bill Oil Company	(kCal/ Lit)	NA	-
24.	GCV of Imported Oil supplied as per bill Oil Company	(kCal/ Lit)	NA	-
25.	Weighted average GCV of oil as Billed	(kCal/ Lit)		-
26.	GCV of Domestic Oil of the opening stock as received at Station	(kCal/ Lit)	10008.77	-
27.	GCV of Domestic Oil supplied as received at Station	(kCal/ Lit)	0	-
28.	GCV of Imported Oil of opening stock as received at Station	(kCal/ Lit)		-
29.	GCV of Imported Oil supplied as received at Station	(kCal/ Lit)		-
30.	Weighted average GCV of oil as Received	(kCal/ Lit)	10008.77	-





Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges

Name of the Petitioner : Damodar Valley Corporation  
Name of the Generating MTPS (7-8)  
Month : JUNE-2023

Sl	DESCRIPTION	UNIT	Domestic	Imported
A)	OPENING QUANTITY			
1.	Opening quantity of Oil	(KL)	2922.01	-
2.	Value of Stock	(Rs.)	238352779.85	-
B)	QUANTITY			
3.	Quantity of Oil supplied by Oil Company	(KL)	0	-
4.	Adjustment (+/-) in quantity supplied made by Oil Company	(KL)	0	-
5.	Oil supplied by Oil Company (3+4)	(KL)	0	-
6.	Normative Transit & Handling Losses (For oil based Projects)	(KL)	0	-
7.	Net Oil Supplied (5-7)	(KL)	0	-
C)	PRICE			
8.	Amount charged by the Oil Company	(Rs.)	0	-
9.	Adjustment (+/-) in amount charged made by Oil Company	(Rs.)	0	-
10.	Handling, Sampling and such other similar charges	(Rs.)	0	-
11.	Total amount charged (8+9+10)	(Rs.)	0	-
D)	TRANSPORTATION			
12.	Transportation charges by rail/ship/road/other transport	(Rs.)	0	-
	By Rail	(Rs.)	0	-
	By Road	(Rs.)	0	-
	By Ship	(Rs.)	0	-
	Other Means	(Rs.)	0	-
13.	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	0	-
14.	Demurrage Charges, if any	(Rs.)	0	-
15.	Cost of diesel in transporting oil through MGR system, if applicable	(Rs.)	0	-
16.	Total transportation charges (12+13+14+15)	(Rs.)	0	-
17.	Total amount charged for oil supplied including transportation (11+16)	(Rs.)	0	-
E)	TOTAL COST			
18.	Landed cost of Oil (2+17)/(1+7)	Rs./KL	81571.51	-
19.	Blending Ratio (Domestic/Imported)	%		
20.	Weighted average cost of Oil for preceding three months	Rs./KL		-
F)	QUALITY			
21.	GCV of Domestic Oil of the opening oil stock as per bill of Oil Company	(kCal/ Lit)	NA	-
22.	GCV of Domestic Oil supplied as per bill of Oil Company	(kCal/ Lit)	NA	-
23.	GCV of Imported Oil of the opening stock as per bill Oil Company	(kCal/ Lit)	NA	-
24.	GCV of Imported Oil supplied as per bill Oil Company	(kCal/ Lit)	NA	-
25.	Weighted average GCV of oil as Billed	(kCal/ Lit)		-
26.	GCV of Domestic Oil of the opening stock as received at Station	(kCal/ Lit)	10006.25	-
27.	GCV of Domestic Oil supplied as received at Station	(kCal/ Lit)	0	-
28.	GCV of Imported Oil of opening stock as received at Station	(kCal/ Lit)		-
29.	GCV of Imported Oil supplied as received at Station	(kCal/ Lit)		-
30.	Weighted average GCV of oil as Received	(kCal/ Lit)	10006.25	-



Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges

Name of the Petitioner : Damodar Valley Corporation  
Name of the Generating RTPS (1-2)  
Month : JUNE-2023

Sl	DESCRIPTION	UNIT	Domestic	Imported
A)	OPENING QUANTITY			
1.	Opening quantity of Oil	(KL)	2010.02	-
2.	Value of Stock	(Rs.)	148241352	-
B)	QUANTITY			
3.	Quantity of Oil supplied by Oil Company	(KL)	85.96	-
4.	Adjustment (+/-) in quantity supplied made by Oil Company	(KL)	0	-
5.	Oil supplied by Oil Company (3+4)	(KL)	85.96	-
6.	Normative Transit & Handling Losses (For oil based Projects)	(KL)	0	-
7.	Net Oil Supplied (5-7)	(KL)	85.96	-
C)	PRICE			
8.	Amount charged by the Oil Company	(Rs.)	6105012	-
9.	Adjustment (+/-) in amount charged made by Oil Company	(Rs.)	0	-
10.	Handling, Sampling and such other similar charges	(Rs.)	0	-
11.	Total amount charged (8+9+10)	(Rs.)	6105012	-
D)	TRANSPORTATION			
12.	Transportation charges by rail/ship/road/other transport	(Rs.)	0	-
	By Rail	(Rs.)	0	-
	By Road	(Rs.)	0	-
	By Ship	(Rs.)	0	-
	Other Means	(Rs.)	0	-
13.	Adjustment (+/-) in amount charged made by Railways/Transport Company	(Rs.)	0	-
14.	Demurrage Charges, if any	(Rs.)	0	-
15.	Cost of diesel in transporting oil through MGR system, if applicable	(Rs.)	0	-
16.	Total transportation charges (12+13+14+15)	(Rs.)	0	-
17.	Total amount charged for oil supplied including transportation (11+16)	(Rs.)	6105012	-
E)	TOTAL COST			
18.	Landed cost of Oil (2+17)/(1+7)	Rs./KL	73639.24	-
19.	Blending Ratio (Domestic/Imported)	%		
20.	Weighted average cost of Oil for preceding three months	Rs./KL		-
F)	QUALITY			
21.	GCV of Domestic Oil of the opening oil stock as per bill of Oil Company	(kCal/ Lit)	NA	-
22.	GCV of Domestic Oil supplied as per bill of Oil Company	(kCal/ Lit)	NA	-
23.	GCV of Imported Oil of the opening stock as per bill Oil Company	(kCal/ Lit)	NA	-
24.	GCV of Imported Oil supplied as per bill Oil Company	(kCal/ Lit)	NA	-
25.	Weighted average GCV of oil as Billed	(kCal/ Lit)		-
26.	GCV of Domestic Oil of the opening stock as received at Station	(kCal/ Lit)	9400.03	-
27.	GCV of Domestic Oil supplied as received at Station	(kCal/ Lit)	9019.35	-
28.	GCV of Imported Oil of opening stock as received at Station	(kCal/ Lit)		-
29.	GCV of Imported Oil supplied as received at Station	(kCal/ Lit)		-
30.	Weighted average GCV of oil as Received	(kCal/ Lit)	9384.42	-