

**GOVERNMENT OF INDIA
MINISTRY OF COAL
LOK SABHA
UNSTARRED QUESTION NO. 701
ANSWERED ON 07.02.2024**

Coal Mines

701. SHRI GAURAV GOGOI:

Will the Minister of **COAL** be pleased to state:

(a) the state-wise list of coal mines that are ecologically reclaimed for mined-out land and overburden dumps, the plantation in and around mines, avenue plantation and restoration of flora and fauna to leave a lighter mining footprint after the closure of mining; and

(b) the details of the challenges faced by the Government in introducing “Green Coal” as a sustainable alternative to traditional coal plants?

**ANSWER
MINISTER OF PARLIAMENTARY AFFAIRS, COAL AND MINES
(SHRI PRALHAD JOSHI)**

(a): The list of coal mines of CIL and SCCL where plantation is carried out in FY 2023-24 (as of 31.01.2024) is enclosed at Annexure.

(b): Ministry of Power (MoP) in November, 2017, issued policy on “Biomass Utilization for Power Generation through co-firing in Coal-based power plants” wherein all coal based thermal power plants were advised to use 5-10% blend of biomass pellets made, primarily, of agro residue along with coal after assessing the technical feasibility, viz. safety aspects etc.

In order to promote use of biomass pellets in coal based thermal power plants and endeavor to convert the problem of crop-residue burning into a solution for power production, MoP revised the above policy in October, 2021 to mandatorily co-fire the suitable biomass pellets in the range of 5% to 7% in all coal based power plants.

It is estimated that biomass requirement to achieve 5% co-firing in thermal power plants based on last 3 years coal consumption is 96366 Tons per day (TPD) for all India basis. However, presently biomass pellet manufacturing capacity in the country is yet to match fully with the requirement.

ANNEXURE

The list of mine where plantation is carried out in FY 2023-24 (as of 31.01.2024) is as below:

Status of Bio-Reclamation/Plantation, as on Dt. 31.01.2024				
Coal Companies	Sl No.	Mine	Achievement - Plantation 2023-24	
			Within Leasehold	
			State	Total Plantation Area (Ha)
ECL	1	AB Pit	WB	1
	2	North Searsole OCP (Avenue)	WB	1.56
	3	Bahula OCP (Orchard)	WB	3.6
	4	Jhanjra UG (Avenue)	WB	2.5
	5	Khottadih OCP (Orchard)	WB	2.5
	6	Jhanjra UG	WB	15
	7	Sonepur Bazari OCP	WB	10
	8	Sonepur Bazari OCP	WB	5
	9	Bilpahari Rehab Site (Orchard)	WB	1
	10	Lower Kenda Colliery	WB	0.47
	11	Dhemonine Colliery (Orchard)	WB	2
	12	Hariajam	JH	2
	13	Hariajam (Avenue)	JH	0.07
	14	Bankola (Avenue)	WB	1.78
	15	Madhusudanpur	WB	12
	16	Rajmahal OCP (Avenue)	JH	4.5
	17	JK Nagar Group of Mines	WB	10
	18	Seetaldasji OCP	WB	6.03
	19	Manderboni-S Samla UG (Avenue)	WB	2.3
	20	Kumardhubi (Avenue)	JH	0.52
	21	Kunustoria UG	WB	3.74
	22	Kunustoria UG (Avenue)	WB	0.42
	23	Mahabir OC	WB	4.8
	24	Amritnagar UG	WB	5.02
	25	Amkola OCP	WB	10
	26	Mohanpur OCP (Avenue)	WB	7
	27	SSI (Ningah) OCP (Seed-ball)	WB	5
	28	Bhanora West OC (Seed-ball)	WB	5
	29	Jambad OCP (Seed-ball)	WB	5
	30	Sonepur Bazari OCP (Seed-ball)	WB	5
BCCL	1	ABOC	JH	5
	2	NAKC	JH	5
	3	AKWMC	JH	2.2
	4	Bera	JH	4.4
	5	ASP	JH	6
	6	Nichitpur	JH	5
	7	Amal. Joyrampur	JH	5
	8	GKKC	JH	1.2
	9	Ena	JH	1.2
	10	Jagjivan Nagar	JH	0.5
CCL	1	Giridih	JH	39
	2	Kathara	JH	8.97
	3	Jarangdih	JH	15.8
	4	Karo	JH	2.879

WCL	1	Penganga	MH	46
	2	Mungoli Nirguda Ext Deep OC	MH	10
	3	Kolgaon OC	MH	4
	4	Ammalgamated Yekona-	MH	18
	5	New Majri UG to OC	MH	16
	6	New Majri II A OC	MH	6
	7	Bhatadi	MH	5
	8	MKD-I	MH	9
	9	Umrer OC	MH	14
	10	MKD-3	MH	12
	11	Gokul OC	MH	20
	12	Gondegaon	MH	18
	13	Amalgamted Inder Kamptee	MH	7
	14	Dhoptala OC Project	MH	4
	15	Pauni II (Exp OC)	MH	14
SECL	1	Gevra	CH	50.3968
	2	Dipka	CH	12
	3	Kusmunda	CH	48.4
	4	Korba	CH	44.4
	5	Raigarh	CH	17.2
	6	Bhatgaon	CH	52.04
	7	Bishrampur	CH	26.2
	8	Chirimiri	CH	13.2
	9	Jamuna&Kotma	MP	10.4
	10	Sohagpur	MP	60.8
	11	Johilla	MP	13
	12	Hasdeo	MP	5
MCL	1	Bhubaneswari OCP	OD	7
	2	Bharatpur OCP	OD	2.5
	3	Balaram OCP	OD	0.23
	4	Lakhanpur Area	OD	0.4
	5	Kulda OCP	OD	21
	6	Garjanbahal OCP	OD	0.5
NCL	1	Amlohri	MP	29.7
	2	Block-B	MP	12
	3	Bina	UP	16
	4	Jhingurda	MP	40
	5	Khadia	UP	13.39
	6	Dudhichua	UP & MP	34.5
	7	Krishnashila	UP	15
	8	Jayant	MP	50.5
	9	Nigahi	MP	47.86
	10	Kakri	UP	0.7
SCCL	1	KTKOC- II Project	TELANGANA	301.21
	2	KTK- 1&1A INC		151
	3	KTK-6 INC		66
	4	KTK-5 INC		117
	5	KLP / KTK OC-III		138.5
	6	MNG OC		160.54
	7	MNG-OC-II		376.68
	8	MNG-OC-IV		211.42
	9	Khairagura OC		427.73
	10	BPA-OC-II		51.6

11	Goleti- 1&1A inc	81.02
12	GDK-11 Incline	596.2
13	GDK1 & 3 incline	82.7
14	GDK 2 & 2A Incline	138.22
15	Godavari khani Coal Mine	547.7
16	RG OC-III	581.21
17	VKP Mine	73.55
18	RG OC-I	222.8
19	RGOC-II	436.62
20	GDK 10 INC	120
21	Adriyal longwall Project	22.6
22	RKP OC	346.19
23	KK OC	190.7
24	Kasipet-1 Incline	39.86
25	Kasipet-2 Incline	6.52
26	KK-1 incline	32.1
27	RK-1 A incline	114
28	Shathi Khani longwall project	107
29	KK-5 INC	138.68
30	SRP OC- II project	543.81
31	Indaram ocp	250
32	RK-5 INC	31.65
33	RK -6 INC	26.806
34	RK-7 INC & NT	17.13
35	SRP 3 & 3 A INC	51.7
36	SRP 1 INC	40.54
37	IK 1 A INC	91
38	GK OCP	538
39	JVR OC-I	329.47
40	JVR OC-II	61.05
41	Kistaram OC	74
42	PVK INC	88.741
43	VK-7 INC	68.04
44	K OC-II Project	333
45	JK -5 OC	278.7
46	21 INC	133.7
47	DORLI OC -I	383.86
48	DORLI OC -II	181.1
49	Medapalli OCP	600.79
50	RK-8 incline	75.08
51	GDK 7 LEP	6.46
52	JK OC abondend mine	514.95