अरुन कुमार सचिव

ARUN KUMAR Secretary



भारत सरकार खान मंत्रालय शास्त्री भवन डा. राजेन्द्र प्रसाद रोड् नई दिल्ली—110 001 Government of India Ministry of Mines Shastri Bhavan Dr. Rajendra Prasad Road New Delhi-110 001

(INCHARGE OF COAL)

DO NO. HO111/1/2017-Coord. Dated: 12th May 2017

Respected Eiv, I am enclosing the monthly DO report in respect of Ministry of Coal for the month of April 2017.

2. A soft copy of the report has also been sent to Dr. Shubhag, Technical Director, NIC, Cabinet Secretariat *via* e-mail on cabinetsy@nic.in and shubhag@nic.in.

Encl: As above

With requires.

Yours sincerely,

Shri Pradeep Kumar Sinha Cabinet Secretary Cabinet Secretariat Rashtrapati Bhavan New Delhi

तकनीकी निदेशक (एनआईसी), कोयला मंत्रालय। मंत्रालय की वेबसाइट पर अपलोड करने के लिए।

(सुमति सकलानी) अनुभाग अधिकारी (समन्वय) टेलीफैक्सः 011-23388781

REPORT OF THE MINISTRY OF COAL FOR THE MONTH OF APRIL, 2017

S. No	Significant inputs							Statu	15					·
1. Important policy (a) Initiatives being taken in regard							e-alloca	ited co:	al blo	eks				
	decisions taken and major achievements during the month	specifie	nt to direction	on of th product	e Centra ion of la	al Gov	/ernmen	it, the	proce;	ss of au	ction c	of 6 coal	mine	nade there unde s earmarked f ler in this rega
		Jharkha	017 for allo	tment o ndia Lin	f kotre 1 nited in a	Basant accord	pur and ance wi	I Pachr th the p	no, So provisi	chedule ons of S	-I coal ection	mines 1 5(1) of th	ocated 1e Coa	nent vide O.M in the State l Mines (Speci 4.
		(Provisi Suprem	onal). Out e Court viz.]	of whic Moher &	h, coal ; 2 Moher	produc Amlo	ction fro ri Extn.	om coa and Ta	l bloc sra is	ks whic	h were	not can	celled	17 is 2.386 M by the Hon'b
			formance of		·									
		S. No	Product &	Unit	Targ April,		Actual 20	April, 17		ctual il, 2016	of Act Ta	riation ual with rget I, 2017	0 c	% variation of actual in April, 2016 om <u>p</u> ared to April,2017
	*		Overburden		13	38.40	1	75.74		167.08		26.98		5.18
			Lignite (LT) Power Gross		194	3.90 56.65	20	3.86 05.62	1	4.03 827.84		-1.03 1.98		<u>-4.22</u> 9.73
		4.	Power			32.65		06.15		545.65		1.40		10.38
			Generation (······						I		1		
			nthly and pr	ogressiv						_				(Rs. in Crore
n and and a second a		(d) Mor		ogressiv Targe	t iditure	Actu	ial enditu il,	% of Actua Expe re to outla the m of Ap	al nditu plan y for iouth	Targe cumula expend	t of ative litur	Cumul expend e up to month April,2 (Prov.)	ative litur o the of 2017	(Rs. in Crord % of Actua Cumulative Expenditur e to plan
		(d) Mor under:- CIL	Total Plan Outlay for the year 2016-17 8500.00	ogressiv Targe Expen April,	t 1diture 2017 467.59	Actu Expl re Apri 2017 (Pro	ial enditu il,	% of Actua Expe re to outlay the m of Ap 2017	al nditu plan y for iouth	Targe cumula expend e up to April, 2	t of ative litur	Cumul expend e up to month April,2 (Prov.)	ative litur o the of 2017	(Rs. in Cror % of Actua Cumulative Expenditur e to plan outlay up to
		(d) Mor under:-	Total Plan Outlay for the year 2016-17 8500.00 1600.00	ogressiv Targe Expen April,	t 2017 467.59 106.67	Actu Expo re Apri 2017 (Pro	1116.18 20,34	% of Actua Expe re to outlay the m of Ap 2017 24, 19.	al nditu plan y for conth oril, .85 .07	Targe cumula expend e up to April, 2 46 10	t of ative litur 017 7.59 6.67	Cumul expend e up to month April,2 (Prov.)	ative litur o the of 2017 6.18 0.34	(Rs. in Cror % of Actua Cumulative Expenditur e to plan outlay up to April, 2017 24.85 19.07
		(d) Mor under:- Aued duo O CIL SCCL NLC	Total Plan Outlay for the year 2016-17 8500.00 1600.00 8948.12	ogressiv Targe Expen April,	t 2017 467.59 106.67 278.81	Actu Expo re Apri 2017 (Pro	nal enditu il, v.) 116.18 20.34 110.21	% of Actua Expereto outlay the m of Ap 2017 24. 19. 39	al nditu plan y for ionth oril, .85 .07 .53	Targe cumula expend e up to April, 2 46 10 - 27	t of ative litur 2017 7.59 6.67 8.81	Cumul expend e up to month April,2 (Prov.)	ative litur o the of 017 6.18 0.34 0.21	(Rs. in Crord % of Actua Cumulative Expenditur e to plan outlay up to April, 2017 24.85 19.07 39.53
		(d) Mor under:-	Total Plan Outlay for the year 2016-17 8500.00 1600.00 8948.12 19048.12	ogressiv Expen April,	t 2017 467.59 106.67	Actu Expo re Apri 2017 (Pro	1116.18 20,34	% of Actua Expereto outlay the m of Ap 2017 24. 19. 39	al nditu plan y for conth oril, .85 .07	Targe cumula expend e up to April, 2 46 10 - 27	t of ative litur 017 7.59 6.67	Cumul expend e up to month April,2 (Prov.)	ative litur o the of 2017 6.18 0.34	(Rs. in Cror % of Actua Cumulative Expenditur e to plan outlay up to April, 2017 24.85 19.07
n militaria and and and and and and and and and an		(d) Mor under:- CIL SCCL NLC Total (e) <u>Coa</u>	Total Plan Outlay for the year 2016-17 8500.00 1600.00 8948.12 19048.12	ogressiv Expen April,	t 2017 467.59 106.67 278.81 553.07	Actu Expo re Apri 2017 (Pro	nal enditu il, v.) <u>116.18</u> 20.34 110.21 246.73	% of Actua Expereto outlay the m of Ap 2017 24. 19. 39	al nditu plan y for ionth oril, .85 .07 .53	Targe cumula expend e up to April, 2 46 10 - 27	t of ative litur 2017 7.59 6.67 8.81	Cumul expend e up ta month April,2 (Prov.) 11 20 110 246	ative litur o the of 017 6.18 0.34 0.21	(Rs. in Crord % of Actua Cumulative Expenditur e to plan outlay up to April, 2017 24.85 19.07 39.53
		(d) Mor under:-	Total Plan Outlay for the year 2016-17 8500.00 1600.00 8948.12 19048.12 I Production	ogressiv Expen April,	t 2017 467.59 106.67 278.81 553.07	Actu Expo re Apri 2017 (Pro	ral enditu il, v.) 116.18 20.34 110.21 246.73	% of Actua Expe re to outla the m of Ap 2017 24, 19, 39 28	al nditu plan y for ionth oril, .85 .07 .53	Targe cumula expend e up to April, 2 46 10 - 27	t of ative litur 2017 7.59 6.67 8.81 3.07	Cumul expend e up to month April,2 (Prov.)	ative litur o the of 017 6.18 0.34 0.21 5.73	(Rs. in Crord % of Actua Cumulative Expenditur e to plan outlay up to April, 2017 24.85 19.07 39.53 28.92
		(d) Mor under:- CIL SCCL NLC Total (e) Coa	Total Plan Outlay for the year 2016-17 8500.00 1600.00 8948.12 19048.12 I Production	ogressiv Targe Expen April, , , , , , , , , , , , , , , , , , ,	t 2017 467.59 106.67 278.81 553.07	Actu Expo re Apri 2017 (Pro	nal enditu il, v.) 116.18 20.34 110.21 246.73	% of Actua Experent reto outlay them of Ap 2017 24. 19. 39 28	al nditu plan y for ionth oril, .85 .07 .53	Targe cumula expend e up to April, 2 46 10 - 27	t of ative litur 2017 7.59 6.67 8.81 3.07	Cumul expend e up to month April,2 (Prov.) 110 200 110 240 % Achiever	ative litur o the of 017 6.18 0.34 0.21 5.73	(Rs. in Crore % of Actual Cumulative Expenditur e to plan outlay up to April, 2017 24.85 19.07 39.53 28.92
		(d) Mor under:- CIL SCCL NLC Total (e) <u>Coa</u>	Total Plan Outlay for the year 2016-17 8500.00 1600.00 8948.12 19048.12 I Production	ogressiv Expen April,	t 2017 467.59 106.67 278.81 553.07	Actu Expo re Apri 2017 (Pro	ral enditu il, v.) 116.18 20.34 110.21 246.73	% of Actua Experent reto outlay them of Ap 2017 24. 19. 39 28	al nditu plan y for ionth oril, .85 .07 .53	Targe cumula expend e up to April, 2 46 10 - 27	t of ative litur 2017 7.59 6.67 8.81 3.07	Cumul expend e up to month April,2 (Prov.) 110 200 110 240	ative litur o the of 017 6.18 0.21 5.73 ment	(Rs. in Crore % of Actual Cumulative Expenditur e to plan outlay up to April, 2017 24.85 19.07 39.53 28.92
		(d) Mor under:-	Total Plan Outlay for the year 2016-17 8500.00 1600.00 8948.12 19048.12 I Production	ogressiv Targe Expen April, 2 8 1 'arget 43.6 5.1	t 2017 467.59 106.67 278.81 553.07	Actu Expo re Apri 2017 (Pro	ral enditu il, v.) 116.18 20.34 110.21 246.73 7 Actua 38.4	% of Actua Experent reto outlay them of Ap 2017 24. 19. 39 28	al nditu plan y for ionth oril, .85 .07 .53	Targe cumula expend e up to April, 2 46 10 - 27	t of ative litur 2017 7.59 6.67 8.81 3.07	Cumul expend e up to month April,2 (Prov.) 110 240 % Achieves 88.29	ative litur o the of 017 6.18 0.21 5.73 ment	(Rs. in Crore % of Actual Cumulative Expenditur e to plan outlay up to April, 2017 24.85 19.07 39.53 28.92
		(d) Mor under:-	Total Plan Outlay for the year 2016-17 8500.00 1600.00 8948.12 19048.12 I Production ny T all Coal Disp	ogressiv Targe Expen April, 2 8 1 'arget 43.6 5.1	t 2017 467.59 106.67 278.81 553.07 Apri	Actu Exp(re Apri 2017 (Pro	ral enditu il, v.) 116.18 20.34 110.21 246.73 7 Actua 38.4	% of Actua Exper re to outla the m of Ap 2017 24, 19, 39 28	al nditu plan y for ionth oril, .85 .07 .53	Targe cumula expend e up to April, 2 46 10 - 27	t of ative litur 2017 7.59 6.67 8.81 3.07	Cumul expend e up to month April,2 (Prov.) 110 240 % Achieves 88.29	ative litur o the of 017 6.18 0.34 0.21 5.73 ment	(Rs. in Crore % of Actual Cumulative Expenditur e to plan outlay up to April, 2017 24.85 19.07 39.53 28.92
		(d) Mor under:-	Total Plan Outlay for the year 2016-17 8500.00 1600.00 8948.12 19048.12 I Production ny T all Coal Dis ny Apr	ogressiv Targe Expen April, April, 3 8 1 'arget 43.6 5.1 patch	t 2017 467.59 106.67 278.81 553.07 Apri	Actu Exp(re Apri 2017 (Pro	ral enditu il, v.) 116.18 20.34 110.21 246.73 7 Actua 38.4 4.5	% of Actua Exper re to outlay the m of Ap 2017 244 19. 39 28	al nditu plan y for ionth oril, .85 .07 .53	Targe cumula expend e up to April, 2 46 10 - 27	t of ative litur 2017 7.59 6.67 8.81 3.07	Cumul expend e up to month April,2 (Prov.) 110 200 110 240 % Achieves 88.29 87.79	ative litur o the of 017 6.18 0.34 0.21 5.73 ment %	(Rs. in Crore % of Actual Cumulative Expenditur e to plan outlay up to April, 2017 24.85 19.07 39.53 28.92 (in MT)

		(g) <u>Coal dis</u>	patch to Power Sec	<u>ctor</u>	
		Company	April, 2017	April, 2016	(in M) % Growth
İ					Growin
		CIL	33.2	33.2	0.2%
		SCCL	4.5	3.9	17.1%
		12,107.05 01	3 Dues: The outs fore (Provisional), o uction of Coal	tanding due payable by Powe ut of which the undisputed dues	r sector to CIL as on 30.04.2017 was R accounted for Rs. 11,341.65 Crore.
ĺ		Сотралу	0.10		(in MT)
		Company	Coal Qty. Allocated April, 2017	Coal Qty. Allocated April, 2016	Increase over notified price
	Ì	CIL	4.10	8.96	42.0%
		(i <u>) Forward I</u>	E-auction of Coal		τω, Ο /Ο
				······	(in MT)
		Company	Coal Qty. Allocated	Coal Qty.	Increase
			April,2017	Allocated April,2016	over notified
		CIL			price
				<u> </u>	.
			ward E-auction fo		
		Company	Coal Qty. Allocated April, 2017	Coal Qty. Allocated April, 2016	Increase over notified price
		CIL	9.61		10.5%
		(k) <u>Exclusive</u>	E-auction for Non- Coal Qty.	Power Coal Qty. Allocated	
			Allocated April, 2017	April, 2016	Increase over notified price
		(l) Special Spo	t E- auction		-
				· _ · · · · · · · · · · · · · · · · · ·	
		Company	Coal Qty. Allocated	Increase over notified	Coal Qty.
			April, 2017	price	Allocated April, 2017
		CIL	-	-	
		drilling upto the Overall Progree (Departmental: meter of drilling Performance R and Coal Mines	emonth of April, 20 <u>ess of Detailed Dr</u> 4.75 lakh mete, Ou has been carried or eview: Performanc Provident Fund Ors	17 is 0.084 lakh meter, against the liling in 2016-17; For 2017-18 tourcing: 7.75 lakh meter) has ut upto the month of April, 2017, e review of CIL/ its subsidiaries canisation was held under the ch	, a target of 12.50 lakh meter of drilling been envisaged. As against this, 1.24 lakh , NLC, CIL, Coal Controller Organisation
	Important policy	21.12.2016 with	r rovident rund Org	of the achievement of the target	airmanship of Hon'ble Minister of Coal on s fixes for the period 2016-17 and also for
	matters held up on account of prolonged inter- Ministerial	1961			
ļ	consultations	•			

ļ	CoS decisions Compliance of	No. of CoS decisions pending for compliance	Proposed action plan/time lines for	Remarks
	Cabinet/Cabinet	Issues pertaining to Jharia and Raniganj Action	compliance of decisions In the meeting taken by MoS (I/C) for	
	Committee	Plan for Fire and Subsidence.	Coal held on 11.5.2016 regarding issues	
	(ACC)		related to JRDA under Jharia Master	
		CoS decisions	Plan it was decided. SThese is	
		1. Govt. of West Bengal may examine the	instification to acquire the long in the first	
1		possibility of taking up housing under	affected and subsidence proper and	
		rehabilitation in multi-storeyed pattern in	areas where mining is unconnected	
		urban areas and a suitable configuration in	Iharia Rehabilitation and Daul	
		rural areas to economies the requirement of	Authority and Bharat Coking Coal Ltd.	
Ì		land.	were asked to sensitize people and make	
			them aware of the imminent danger and	
		2. M/o Coal may examine the request of G/o	impress upon them the need to shift to	
ł		Jharkhand to entrust the work of construction		
		of dwelling units for rehabilitation to a suitable Central PSU.	They would also be informed that the	
			Government was constructing houses for	
		3. Govt. of Jharkhand may expedite the	them, if they were willing to shift. Govt.	
		shifting of R.S.P. College Jharia to a suitable	of Jharkhand has not yet identified	
		location.	location for shifting of RSP College.	
	·		During the 13 th HPCC meeting held on	
		4. MoRTH may take up realignment of 300 m	17.10.2016, It was agreed to include RSP College for shifting under Master Plan	
		stretch of NH 2 in Raniganj area expeditiously	utilizing the existing budget. 14 TH	
		and hand over the stretch to ECL.	HPCC meeting held on 13 th Feb, 2017.	
			The component of 15 Feb, 2017.	
		5. The alternative road suggested by BCCL	During the 14 th HPCC Meeting,	
		between Godhur and Putki may be brought to	ECL informed that about 300 m.	
	[]	proper standards and handed over to NHAI so	stretch of NH 2 is under unstable	
	[]	that the corresponding section of NH 32 can be	area and, therefore, unsafe.	
ĺ		handed over by NHAI to BCCL.	Further, a study was carried out by	i
			CIMFR in which voids were found	
1		6. M/o Coal and M/o Railway may mutually	at a low depth that may cause	
		discuss the modalities for financing the	occurrence of potholes. The report	
1		projects regarding re-alignment of 145.6 km of	has been sent to NHAI on	
		railway line in Jharia region and 20 km stretch in Raniganj region.	07.2.2017. Representative of	
		in Ranganj region.	DGMS informed that a notification	
			has already been issued by DGMS	
			in this matter declaring the area	
[unsafe. The report of CIMFR has been	ĺ
ĺ			forwarded to DDG, Sitarampur on	
			23.02.2017 for information.	ł
			ECL informed that, on 20.03.2017	-
			a meeting was held at DGMS office	
			Sitarampur under the Chairmanship	
			of Dy, DG(EZ) where representatives	
			of ECL, CMPDIL, NHAI & ADDA	
			attended the meeting. CIMFR was not	
			participated in the meeting though	
			informed & requested, DY.DG(EZ)	
			stated that CIMFR report itself is	
			contradictory by saying that in "Blind	
			backfilling it is difficult to ascertain	
		<u>.</u>	whether underground galleries are	
			completely filled or not" though it was	
			suggested by them.	
]	It was further suggested by DY.DG(EZ)	
			that NHAI should approach CIMFR to	
		•	get idea of blind backfilling and	
			certification of stability by CIMFR.	
			Further, a meeting was conducted on	
			06.04.2017 under the Chairmanship of	
			DY. DG (EZ) where representatives of	
	. []		ECL, CIMFR & NHAI attended the	
			meeting. DY. DG(EZ) opined that as	
	1	I	the Blind back filling technique does	ł

· · · · · · · · · · · · · · · · · · ·		
•	not provide assurance of 10 stabilization so the suggestions	of
	CIMFR is not accepted. Chairman also opined that NH-2 ro	he be
	should be made in new alignmen	t /
	diverted over the stable or safe grou	nd
	where there are no undergrou galleries. NHAI should approach so	nd
	other approved techni	
	institute/scientific institution making study and preparation	or
	feasibility report.	01
	Regarding NH32 between Godhar a	nd
	Putki, NHAI is required to switch over	to
	newly constructed part and hand over the fire affected part to BCCL. NH-32 w	he
	not included in the approved Mas	er
	Plan.	
	Further, it was also agreed to issue No	ic
	and transfer 17.07 ha. land to NHAI BCCL for 2/4 laning of the NH-32.	ру
	Regarding the diversion of railway line	s,
	Representatives of Ministry of Railwa mentioned that instead of diversion	ys
	137 kms. routes as suggested by RITE	
	some local diversions in railway lin	s
	could effectively serve the purpos However, it was clarified that there we	e, .
	no plan of taking out coal from the	e
	affected areas and the risk associate	d
	with the railway line had already bee communicated to Ministry of Railway	n
	MoR should take up necessary action	s
	for shifting/protection of affected railwa lines, as per their assessment.	у
	On the recommendation of Recor	di
	note of 14 th HPCC meeting	a
	committee was constituted unde DGMS with the representative of	
	Railways, CIMFR, HT (ISM), BCC	
	and JRDA who met on 24.3.2017	
	Committee has recommended that "Movement of trains on the Dhanbad	t
	Chandrapura Railway Line of E. C	.
	Railways is to be stopped immediatel in the interest of safety to human	/
	lives". The same has been conveyed t	
	MoR.	
	Regarding consolidation of fund by Mod	
	for shifting of railway lines in the fir affected areas, it has been informed to	
	MoR that it will be the responsibility o	É I
	respective Ministries to take up	,
	appropriated measures at their end to protect their property and requested to	
	advise their officials concerned to take	•
	necessary actions for protecting the railway properties in the affected areas	
	ECL informed that RITES submitted	
	revised FSR for diversion of Andal	
	Sitarampur Railway line and that Eastern Railway demanding payment of 'Coda	
	Charges'.	
<u> </u>		

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				ECL has suggested some amendments in
•				the Revised FSR for omission of
				responsibility of ECL in respect of land
				acquisition of the propert of land
1				acquisition of the proposed diverted
j				alignment, conversion of all the 11Kv
1				crossings into underground system as
				well as modification of 132 KV
				crossings etc. which has been forwarded
	1			to Eastern Railway authority by M/s
				RITES on 01.03, 2017 for consideration.
				On 03.04.2017 M/s RITES
Í				communicated to ECL that Eastern Rly.
1				autharity has declined to accept the
	ļ			revised FSR on the reason of
				amendments to be incorporated in the
	Î			revised FSR as suggested by ECL.
			······································	DAT US ONEECOICU DY DUL
1		S.No		Current status
1		1.	Resubmit the proposal along with the	The requisite information is awaited from CVC. The
1			CVC clearance in respect of Shri D.C.	
			Jha	information shall be submitted to DoPT on receiving.
		2.	The Competent authority has directed	CVC clearance in respect of Shri Chakravarty is
			the Ministry to first seek CVC	submitted on 01.05.2017
			clearance in respect of Shri	
			Chakravarty and thereafter submit the	
1			proposal for consideration of ACC	
		3.		
1		1 2.	Ex-post facto approval to the post of	The proposal is submitted to DoPT on 27.04.2017 for
			Director (Technical), CCL for the	obtaining the ex-post facto approval of ACC in the
	ļ	4.	period from 30.09.2014 to 09.06.2015	matter.
		4.	Ex-post facto approval to the post of	The proposal along with detailed status is being sent to
Í			Director (Technical), SECL for the	DoPT for obtaining the ex-post facto approval of ACC
		<u> -</u>	period from 01.03.2012 to 02.08.2016	in the matter.
		5.	Ex-post facto approval to the post of	The proposal is submitted to DoPT on 27.04.2017 for
ł	ł		Director (HR), NLC for the period	obtaining the ex-post facto approval to ACC in the
1			from 01.10.2015 to 09.12.2016	matter
1		6.	Ex-post facto approval to the post of	The proposal is submitted to DoPT on 27.04.2017 for
]			Director (Technical), ECL for the	obtaining the ex-post facto approval of ACC in the
Ì		[period from 01.03.2016 to 03.08.2016	matter.
<u> </u>				
4.	No. of cases of	Nil		
	'sanction for			
	prosecution'			
	pending for more			
	than three months			
5.	Particulars of	Nil		
ļ	cases in which			
1	there has been a			
	departure from			
	the Transaction of			
	Business Rules or			
	established policy			
	of the			
	Government			

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, 6.	Status of		·····				
-	implementation of	Total No. of files	Total No. of e-file:	s			
	e-Governance	5,928	4.637				
		Implementation of IT initiatives in CIL. As on 25.04,2017					
		S.No Name of the item	Requirement	Implementation Status as on date			
j –		1. GPS/GPRS based Vehicle Tracking System	8683	8683			
		2. Electronic Surveillance by CCTV	2509	3059			
ľ		3. RFID based Boom Barriers & Readers	2857	2857			
		4. Weigh Bridge Status	878	883			
		5. Wide Area Networking	1215	952			
i		6. Coal Net Implementation Status	50	47			
		Implementation of IT initiatives S.No Name of the item	n NLC India Ltd. A	s on 25.04.2017 Implementation Status as on			
			-	date			
		1. GPS/GPRS based Vehicle Tracking System	8683	8683			
		2. Electronic Surveillance by CCTV	3791	3061			
1		3. RFID based Boom Barriers & Readers	600	557			
		4. Weigh Bridge Status	882	882			
		5. Wide Area Networking 6. Coal Net Implementation Status	1215	952			
		6. Coal Net Implementation Status	50	47			
7.	Status of Public	and the second					
	Grievances	No. of Public Grievances redressed during the	No. of Public Grie	evances pending at end of April,			
		month of April, 2017	2017				
		966	1258	· · · · · · ·			
	1. fa						
8.	Information on the specific steps taken by the Ministry/Departm ent for utilization of the Space Technology based tools and applications in Government and Development.	 (i) Air Pollution Monitoring. (ii) Coal Fire Mapping and subsidence mapping. (iii) Capacity Building in CMPDIL for SAR interferometry towards Fire and Subsidence Mapping. 					
