

SOUTH EASTERN COALFIELDS LIMITED (A Subsidiary of Coal India Limited) (Maha Ratna Company) साउथ ईरटर्न कोल फील्ड्स लिमिटेड Office of the General Manager, Sohagpur Area कार्यालय महाप्रबंधक-सोहागपुर क्षेत्र P.0. Dhanpuri, Distt. Shahdol(M.P.), Pin 484114

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Dated : 26 4 2025

प्रति, वनमण्डलाधिकारी महोदया

दक्षिण वनमण्डल शहडोल

विषयः - एस.ई.सी.एल. सोहागपुर क्षेत्र के अन्तर्गत बंगवार भूमिगत खदान हेतु भारत सरकार पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय नई दिल्ली द्वारा प्रथमचरण अनुमोदित 36.734 है. वनभूमि हेतु शुद्ध वर्तमान मूल्य की राशि 1,75,91,546.00 (एक करोड़ पचहत्तर लाख इन्क्यानबे हजार पॉॅंच सौ छियालिस) जमा किये जाने की जानकारी तथा पालन प्रतिवेदन प्रेषित किये जाने बावत्।

संदर्भ :− 1). भारत सरकार पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय नई दिल्ली का पत्र दिनांक 19.02.2025

2). मांग पत्र कं./ मा.चि./ 2025/ 2672 शहडोल दिनांक 21.03.2025.

महोदया,

एस.ई.सी.एल. सोहागपुर क्षेत्र के अन्तर्गत बंगवार भूमिगत खदान हेतु भारत सरकार पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय नई दिल्ली के द्वारा प्रथमचरण अनुमोदित 36.734 हे. वन भूमि के लिये शुद्ध वर्तमान मूल्य की राशि 1,75,91,546.00 (एक करोड़ पचहत्तर लाख इन्क्यानबे हजार पॉॅंच सौ छियालिस) की मांग संदर्भित पत्र कमांक 02 के द्वारा की गई थी।

निर्देशानुसार उक्त राशि 1,75,91,546.00 (एक करोड़ पचहत्तर लाख इन्क्यानबे हजार पाँच सौ छियालिस) ई-पोर्टल के माध्यम से MoEF-CC की वेबसाईट से प्राप्त चालान/ आवेदन कं. 5829264778 में दर्शित Union Bank of India, FCS Centre, 21/1, III Floor, Jelitta Towers, Mission Road Bengaluru-560027 के Account No. 150765829264778, IFSC Code- UBIN0996335 में दिनांक 22.04.2025 को भुगतान किया गया है, जिसका जिसका UTR No.SBINR12025042383043179 है।

उपरोक्तानुसार पालन प्रतिवेदन मय दस्तावेज पाँच प्रतियों में सादर प्रेषित है। संलग्न : उपरोक्तानुसार।



भवदीय भुद्धे ग्रहारपायम महाप्रबंधक एस.ई.सी.एल. सोहागपुर क्षेत्र भारत सरकार पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय नई दिल्ली का पत्र दिनांक 19.02.2025 (36.734 Ha. Forest Land for Bangwar UG Mine)

	(36.734 Ha. Forest Land for Bangwar UG Min	पालन प्रतिवेदन
कं.	शत	
i.	Legal status of the diverted forest land shall remain unchanged.	व्यपवर्तित वन भूमि का वैधानिक स्वरूप अपरिवर्तित रहेगा। वचन पत्र संलग्न है।
ii.	A comprehensive Wildlife Conservation Plan	भारत सरकार पर्यावरण वन एवं जलवायु परिवर्तन
	duly approved by the Principal Chief Conservator of Forests (Wildlife)-cum- Chief	मंत्रालय नई दिल्ली का का पत्र दिनांक
	Wildlife Warden, Government of Madhya	07/06/2022 तथा 16/01/2023 के द्वारा अधिशोपित शर्त के अनुसार बंगवार भूमिगत खदान
	Pradesh shall be submitted.	की प्रोजेक्ट कास्ट का 2 प्रतिशत अर्थात 12.57
		लाख रूपये (Lamp Sum Ammount) CAMPA के खाते में जमा किया जावेगा तथा शर्तानुसार एक
		वर्ष के अंदर प्रधान मुख्य वन संरक्षक (वन्य जीव)-सह-मुख्य वन्यजीव वार्डन मध्यप्रदेश द्वारा
		जाव)-सह-मुख्य वन्यजाव वाडन नव्यप्रदर्श क्रांस
		विधिवत अनुमोदित एक व्यापक वन्य जीव संरक्षण योजना प्रस्तुत की जावेगी।
		Annexure – A, B, C/4
iii.	The State Govt. shall submit a land use change	अंतिमचरण अनुमोदित ४०३.११८ हे० वन भूमि
	proposal (as per guideline) of 38.302 ha for	से 38.302 हैं० वन भूमि का उपयोग भूमिगत
	the Bangwar underground mine out of	खदान हेतु किये जाने बावत सभी दिशा निर्देशो का
	earlier approved 403.118 ha of forest land	पालन किया जाएगा। शर्तो का पालन प्रतिवेदन
-	diverted for open-cast mining vide Ministry letter dated 13.04.1987 along with complete	तथा लैण्डयूज प्लान संलग्न है।
	compliance.	
iv.	The User Agency shall transfer the funds	वनमण्डलाधिकारी दक्षिण वन मण्डल शहडोल के
	towards the cost of Net Present Value (NPV)	द्वारा प्रदत्त मांग पत्रानुसार शुद्ध वर्तमान मूल्य की
	of the forest land being diverted under this proposal in accordance with the MoEF & CC's	राशि रूपये 1,75,91,546.00 (एक करोड़ पचहत्तर
	guidelines.	लाख इन्क्यानबे हजार पॉॅंच सौ छियालिस)
		ई–पोर्टल के माध्यम MOEF-CC की बेबसाइट से
		प्राप्त चालान/ आवेदन क्र0 5829264778 में
		दर्शित Union Bank of India, FCS Centre, 21/1,
		III Floor, Jelitta Towers, Mission Road
,		Bengaluru-560027 के Account No.
		150765829264778, IFSC Code-
		UBIN0996335 में आरटीजीएस के माध्यम से
		दिनांक 22.04.2025 को भुगतान किया गया है,
		जिसका UTR No. SBINR12025042383043179
		है। बैंक विवरण की प्रति संलग्न है।
v.	At the time of payment of the Net Present Value	सर्वोच्च न्यायालय के अंतिम निर्णय के अनुसार
	(NPV) at the then prevailing rate, the User	शुद्ध वर्तमान मूल्य की अतिरिक्त राशि का भुगतान
	Agency shall furnish an undertaking to pay the	किये जाने बावत आवेदक संस्थान वचनबद्ध है।
	additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme	वचन पत्र संलग्न है।
	Court of India.	the state
vi.	The State Government shall upload the KML	परियोजना का संचालन भूमिगत पद्धति से होगा,
	files of the area under diversion in the E-green	शासन के समस्त नियमों का पालन किया जावेगा।
	watch portal of FSI, before handing over forest	
	land to the user agency.	and the second
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	vii.	All the funds received from the user agency	आवेदक संस्थान के द्वारा सभी धन राशि ई-पोर्टल
1 Alt		under the project shall be transferred/deposited	(https://Parivesh.nic.in) के माध्यम से
Set 1		in CAMPA account only through c-portal	CAMPA खाते में स्थानांतरित की जाएगी।
		(https://parivesh.nic.in/). Amount deposited	CAMIA OR OF COMMENT
8		through other mode will not be accepted as	
		compliance of the Stage-I clearance.	
	viii.	The User Agency shall undertake mining in a	भूमिगत खनन परियोजना होने के कारण वृक्षों के
		phased manner after taking due care for	विदोहन की आवश्यकता नहीं है। अनुमोदित खनन
		reclamation of the mined out area. The User Agency shall prepare a detailed plan for life of	योजना के अनुसार चरणबद्ध तरीके से खनन कार्य
		project as per mining plan, clearly linking the	किया जायेगा तथा कार्यान्वयन की वार्षिक रिपोर्ट
		progress of mining and felling of the trees.	
		Felling of trees shall be done, when it is	राज्य सरकार के नोडल अधिकारी के कार्यालय में
		absolutely necessary in phase-wise manner in	प्रस्तुत की जाएगी।
		the areas which become due for mining as per mining plan. The concurrent Reclamation Plan	
		as per the approved Mining Plan shall be	
		executed by the User Agency from the very	
		first year, and an annual report on	· · · ·
		implementation thereof shall be submitted to	
		the Nodal Officer, Van (Sanrakshan Evam	
		Samvardhan) Adhiniyam, 1980, in the concerned State Government and the concerned	
I.		Regional Office of the Ministry. If it is found	(a).
		from the annual report that the activities	
		indicated in the concurrent reclamation plan are	×
		not being executed by the User Agency, the	
		Nodal Officer or the Chief Conservator of Forests (Central) may direct that the mining	and the second second
		activities shall remain suspended till such time,	The second state of the second state
		such reclamation activities are satisfactorily	
		executed.	
	ix.	The user agency shall prepare a schedule for	खनन योजनानुसार चरणबद्ध तरीके से खनन कार्य
		surrender of the mined out and reclaimed forest	किया जाएगा। भूमिगत खनन परियोजना होने के
	<i>*</i>	land in accordance with existing mining plan	कारण Reclamation की आवश्यकता नहीं है।
		and submit the same along with an undertaking to surrender the mined out and reclaimed forest	
		land as per such schedule to the MoEF & CC	a strate to the states
		before grant of 'Final' approval under the	
		Adhiniyam for diversion of the said forest land.	
	x.	The rehabilitated forest area after closure of	खनन परिचालान बंद होने के बाद वन क्षेत्र को
	A.	mining operations shall be handed over to the	भविष्य में स्थायी वन प्रबंधन के लिए राज्य वन
9		State Forest Department for sustainable forest	विभाग को सौंप दिया जाएगा।
		management in the future.	ומאוטי מו צויע ובשו שונטון
	xi	Safety Zone Management: Following activities,	·
		at project cost, shall be undertaken by the user	
		agency for the management of safety zone as	
		per relevant guidelines issued by the Ministry's	
		guidelines.	
	a	User agency shall ensure demarcation of safety	
		zone (7.5 meter strip all along the inner	परिधि का सीमांकन सनिश्चित कर पर्याप्त संख्या
		boundary of the mining lease area), and its	में 6 फिट उन्हें आर सी सी स्वरूपों को उपाकिन
	_	fencing, protection and regeneration by erecting	$\int \frac{1}{2} $
	1	adequate number of 6 feet high RCC boundary	
		pillars inscribed with DGPS coordinates with	
		barbed wire fencing and deploying adequate	संस्थान वचनबद्ध है।
		number of watchers under the supervision of	All Bare
	83	the. State Forest Department.	State Contraction of the second secon
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			and have all a
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,	b	Boundary of the safety zone of the mining lease, adjacent to habitation/roads, should be properly fenced by the user agency.	बरितयों/ सड़कों की सुरक्षा हेतु सुरक्षा क्षेत्र के चारो तरफ उचित रूप से फेंसिंग किए जाने बावत आवेदक संस्थान वचनबद्ध है।
	c	Safety zone shall be maintained as green belt around mining lease and to ensure dense canopy in the area, regeneration shall be taken up in this area by the user agency at project cost under the supervision of the State Forest Department; and	राज्य शासन वन विभाग के दिशा निर्देशानुसार सुरक्षा क्षेत्र को हरित पट्टी (Greenbelt) के रूप में बनाए रखे जाने तथा Dense Canopy सुनिश्चित किए जाने बावत आवेदक संस्थान वचनबद्ध है।
e.	d	The State Government and the user agency shall ensure that safety zone is maintained as per the prescribed norms.	राज्य शासन वन विभाग के निर्देशानुसार सुरक्षा क्षेत्र को बनाए रखने बावत निर्धारित मापदण्डो का पालन किया जायेगा।
	xiii.	Following activities, as per approved plan/ schemes, shall be undertaken in the lease area by the User Agency under the supervision of the State Forest Department.	
3	a	Mitigative measures to minimize soil erosion and choking of stream shall be implemented within a period of three year with effect from the issue of 'Final' approval in accordance with the approved Plan/Scheme in consultation with the State Forest Department.	राज्य शासन वन विभाग के दिशा निर्देशानुसार अनुमोदित योजनानुसार अंतिमचरण अनुमोदन जारी होने के प्रभाव से तीन वर्ष की अवधि के अंदर भूमि के क्षरण को न्यूनतम एवं जल बहाव को बाधित होने पर से रोकने बावत समुचित उपाय किये जायेंगे।
	b	Planting of adequate drought hardy plant species and sowing of seeds, in the appropriate area within the mining lease to arrest soil erosion in accordance with the approved Plan/scheme.	भूमि के क्षरण को रोकने के लिए खनन क्षेत्रांतर्गत परियोजना व्यय पर समुचित संख्या में सूखा समर्थ प्रजाति के पौधों एवं बीजों का रोपण किया जायेगा।
	C	Construction of check dams, retention /toe walls to arrest sliding down of the excavated material along the contour in accordance with the approved Plan/ Scheme.	को रोकने के लिए लीज क्षेत्र में चेक डेम, अवरोधक दीवारों आदि का निर्माण परियोजना व्यय पर किया जायेगा।
)	d	Stabilize the overburden dumps by appropriate grading/ benching, in accordance with the approved scheme, so as to ensure that angles of repose at any given place is less than 28°; and	भूमिगत पद्वति से खदान का संचालन किया जाना है। अतः ओवर बर्डन की आवश्यकता नहीं है।
	e	No damage shall be caused to the top-soil and the user agency will follow the top-soil management plan.	से पालन किया जायेगा।
	xiv.	The validity of approval granted under the Adhiniyam shall be for a period co- terminus with the validity of the mining lease proposed to be granted under the Mines and Minerals (Development and Regulation) Act, 1957, as amended from time to time or Rules framed there under, or for such period as may be specified by the Central Government.	तहत मान्य है।
		specified by the Central Government.	

State Forest Department shall undertake gap planting and soil and moisture conservation activities to restock and rejuvenate the degraded open forests (having crown density less than 0.40), if any, located within the periphery of 100 m from outer perimeter of the mining lease as per approved plan for plantation and SMC activities submitted along with compliance of 'in-principle' approval.	राज्य शासन वन विभाग के दिशा निर्देशानुसार खनन क्षेत्र के बाहर 100 मीटर में रिथत बिगड़े वन क्षेत्र जिसका घनत्व 0.4 से कम हो तो इसके सुधार हेतु गैप-प्लान्टेशन मृदा एवं नमी के संरक्षण आदि कार्य किए जायेंगे।
. The User Agency shall regularly undertake desilting of village tanks and other water bodies, located within five km from the mine lease boundary, as per approved plan, to mitigate the impact of project on such tanks/ water bodies.	आवेदक संस्थान द्वारा माइनिंग लीज क्षेत्र सीमा के 05 कि.मी. की परिधि में स्थित गावों के तालाब एवं अन्य जलस्त्रोतों का गहरीकरण आवश्यकतानुसार करवाया जायेगा, जिससे गाद भराव की समस्या को न्यूनतम किया जायेगा।
ii. The User Agency shall comply with the Hon'ble Supreme Court order on re- grassing, and re-grass the mining area and any other areas which may have been disturbed due to mining to restore them to a condition which is fit for growth of fodder, flora, fauna, etc. in a	अन्य क्षेत्र में माननीय सुप्रीम कोट के आदशानुसार पुनः घास लगाई जाएगी तथा चारे, वनस्पतियों, जीवों आदि के विकास को उपयुक्त स्थिति में बहाल किया जा सके।
timely manner. iii. Adequate care shall be taken to check any rolling of overburden/ dumps beyond the designated area and to check soil crosion caused due to mining activities.	लागू नहीं होती है।
<ul> <li>The User agency will undertake comprehensive soil conservation measures at the project cost in consultation with the State Forest Department. A scheme of the same shall be submitted to the Regional Office along with the 'in-principle' approval.</li> </ul>	लागू नहां होता है।
C. The R&R Plan shall be implemented as per the R&R Policy of State Government in consonance with National R&R Policy. Government of India before the commencement of the project work and implementation. The said R&R Plan will be monitored by the State Government/Regional Office of MoEF & CC along with indicators for monitoring and expected observable milestones.	पुनवास याजना तथा राष्ट्राय राहत एव पुनवास नीति के मानकों को लागू किया जावेगा। राहत पुनर्वास योजना की निगरानी, राज्य शासन/भारत सरकार पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय क्षेत्रीय कार्यालय द्वारा निगरानी सूचकों व अपेक्षित बिन्दुओं को भी लागू किया जायेगा।
xi The user agency shall explore the possibility of translocation of maximum number of trees identified to be felled.	मूमिगत खनन परियोजना होने के कारण वृक्षो के विदोहन की आवश्यकता नहीं है।
xii. The cost of felling of trees shall be deposited by the User Agency with the State Fores	मूमिगत खनन परियोजना होने के कारण वृक्षो के t विदोहन की आवश्यकता नहीं है।

xxiii.	The User Agency shall obtain the Environment Clearance as per the provisions of the Environmental (Protection) Act, 1986, if required.	पर्यावरण (संरक्षण) अधिनियम 1986 के प्रावधानों के अनुसार पर्यावरण स्वीकृति प्राप्त की जा चुकी है।
xxiv.	No labour camp shall be established on the forest land and the User Agency shall provide fuels preferably alternate fuels to the labourers and the staff working at the site so as to avoid any damage and pressure on the nearby forest areas.	व्यपवर्तित वन भूमि पर कोई श्रमिक शिविर स्थापित नहीं किया जायेगा। कंपनी के द्वारा श्रमिको तथा कर्मचारियों को रसोई गैस की राशि का भुगतान किया जाता है।
XXV.	The boundary of the diverted forest land, mining lease and safety zone, as applicable, shall be demarcated on ground at the project cost, by erecting four feet high reinforced cement concrete pillars, each inscribed with its serial number, distance from pillar to pillar and GPS coordinates.	आवेदक संस्थान के द्वारा व्यपवर्तित वन भूमि की सीमा, खनन लीज व सुरक्षा क्षेत्र आदि का सीमांकन चार फिट ऊंचे कांक्रीट पिलर से किया जायेगा तथा शर्तानुसार अनुक्रमांक तथा दो पिलर्स के बीच की दूरी साथ ही डी.जी.पी.एस. निर्देशांक का अंकन परियोजना व्यय पर किया जायेगा।
xxvi.	The layout plan of the mining plan/ proposal shall not be changed without the prior approval of the Central Government and the forest land shall not be used for any purpose other than that specified in the proposal.	खनन योजना/ प्रस्ताव के ले–आउट प्लान में केन्द्र सरकार की पूर्व स्वीकृति के बिना परिवर्तन नहीं किया जायेगा तथा वन भूमि का उपयोग प्रस्ताव में निर्दिष्ट उदेश्य के अलावा अन्य उदेश्य के लिए नहीं किया जायेगा।
xxvii.	The forest land proposed to be diverted shall under no circumstances be transferred to any other agency, department or person without prior approval of the Central Government.	व्यपवर्तित वन भूमि को किसी भी परिस्थिति में केन्द्र सरकार की पूर्व स्वीकृति के बिना किसी अन्य एजेन्सी, विभाग या व्यक्ति को हस्तांतरित नहीं किया जायेगा। वचन पत्र संलग्न है।
xxviii.	No damage to the flora and fauna of the adjoining area shall be caused.	समीपवर्ती क्षेत्र की वनस्पतियों तथा जीवों को कोई नुकसान नहीं पहुँचाया जाएगा।
xxix.	The user agency shall comply all the provisions of the all Acts, Rules, Regulations, Guidelines, Hon'ble Court Order (s) and NGT Order (s) pertaining to this project, if any, for the time being in force, as applicable to the project.	आवेदक संस्था के द्वारा परियोजना से सम्बंधित सभी अधिनियमो, नियमो, विनियमों, दिशा–निर्देशों, माननीय न्यायालय के आदेश तथा एन.जी.टी. के आदेश के सभी प्रावधानों का अनुपालन किया जायेगा।
xxx.	The User Agency shall submit the annual self- compliance report in respect of the above stated conditions to the State Government, concerned Regional Office and to this Ministry by the end of March every year regularly.	आवेदक संस्थान के द्वारा उपरोक्त स्वीकृत शर्तो का वार्षिक पालन प्रतिवेदन नियमित रूप से यथा समय प्रस्तुत किया जायेगा।
xxxi.	Any other condition that the Ministry of Environment, Forests & Climate Change may stipulate from time to time in the interest of conservation, protection and development of forests & wildlife.	खनन परियोजना में कोई भी अन्य शर्ते जो केन्द्र सरकार द्वारा वन, वन्य जीवों एवं वनस्पतियों के संरक्षण एवं विकास हेतु समय समय पर अधिरोपित की जाती है, उसका पालन किया जायेगा।

xxxii.	Violation of any of these conditions will amount to violation of Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980 and action would be taken as prescribed in para 1.16 of consolidated guidelines and clarifications issued under Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980 as issued by this Ministry on dated 29.12.2023.	मान्य है।
xxxiii.		अनुपालन रिपोर्ट ई–पोर्टल (https://parivesh.nic.in) में अपलोड की जायेगी।

**1080** 22114+5 **महाप्रबंधक** एस.ई.सी.एल. सोहागपुर क्षेत्र

(A Subvision of Com water Company) (Make Saturd Company) साउध ईस्टर्न कोल फील्ख्स लिमिटेड

Office of the General Manager, Sohagpur Area महाप्रबंधक कार्यालय, सोहागपुर क्षेत्र P.O. Dhampuri, Distr. Shahdol(M.P.), Pin 484114 Tel: (07652) 250302 Fax: 250882 Regd. Office: Seepat Road, P.B. No.60 Bilaspur\_495001 (CG)



# वचन पत्र

(शर्त कमांक - i)

व्यपवर्तित वन भूमि का वैधानिक स्वरूप अपरिवर्तित रहेगा, इस बावत् आवेदक संस्थान वचनबद्ध है।

> <u>७२०</u> २६१४१२९ महाप्रबंधक एस.ई.सी.एल सोहागपुर क्षेत्र

SOUTH EASTERN COALFIELDS LIMITED (A subsidiary of Coal India Limited) (Maha Ratua Company) साउथ ईस्टर्न कोल फील्ड्स लिमिटेड Office of the General Manager, Sohagpur Area महाप्रबंधक कार्यालय, सोहागपुर क्षेत्र P.O. Dhanpuri, Distt. Shahdol(M.P.), Pin 484114 Tel: (07652) 250302 Fax: 250882 Regd. Office : Seepat Road, P.B. No.60 Bilaspur\_495001 (CG)

# वचन पत्र

(शर्त कमांक - v)

सर्वोच्च न्यायालय के अंतिम निर्णय के अनुसार शुद्ध वर्तमान मूल्य की अतिरिक्त राशि भुगतान किये जाने बावत् आवेदक संस्थान वचनबद्ध है।

महाप्रबंधक एस.ई.सी.एल सोहागपुर क्षेत्र



(A subsidiary of coal India Limited) (Maha Ratna Company) साउथ ईस्टर्न कोल फील्ड्स लिमिटेड

Office of the General Manager, Sohagpur Area महाप्रबंधक कार्यालय, सोहागपुर क्षेत्र P.O. Dhanpuri, Distt. Shahdol(M.P.), Pin 484114 Tel: (07652) 250302 Fax: 250882 Regd. Office: Seepat Road, P.B. No.60 Bilaspur\_495001 (CG)

# वचन पत्र

# (शर्त कमांक - viii)

अनुमोदित खनन योजनानुसार कार्यान्वयन की वार्षिक रिपोर्ट प्रस्तुत किये जाने बावत् आवेदक संस्थान वचनबद्ध है।

> <u>१८८२</u> ॥ ऽगेम **महाप्रबंधक** १८८८ एस.ई.सी.एल सोहागपुर क्षेत्र



SOUTH EASTERN COALFIELDS LIMITED (A Subsidiary of Coal India Limited) (Maha Ratua Company) साउथ ईस्टर्न कोल फील्ड्स लिमिटेड Office of the General Manager, Sohagpur Area महाप्रबंधक कार्यालय, सोहागपुर क्षेत्र P.O. Dhanpuri, Distt. Shahdol(M.P.), Pin 484114 Tel: (07652) 250302 Fax: 250882 Regd. Office : Seepat Road, P.B. No.60 Bilaspur\_495001 (CG)



# वचन पत्र शर्त क्रमांक – xi(a)

सुरक्षा क्षेत्र की आंतरिक सीमा में 7.5 मीटर की परिधि में पर्याप्त संख्या में 6 फिट उँचे आर.सी.सी. स्तम्भो को स्थापित करने के लिये तथा कॉटेदार तार से घेर कर डी.जी.पी.एस. निर्देशांक अंकित करवाये जाने के लिये वन विभाग के मॉॅंग पत्रानुसार राशि का भुगतान किये जाने बावत् आवेदक संस्थान वचनबद्ध है।

> महाप्रबंधक 🕼 एस.ई.सी.एल सोहागपुर क्षेत्र

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# वचन पत्र

# शर्त कमांक - xi(b)

बस्तियों/ सड़कों की सुरक्षा हेतु सुरक्षा क्षेत्र के चारों तरफ उचित रूप से फेंसिंग किये जाने के लिये वन विभाग के मॉॅंग पत्रानुसार राशि का भुगतान किये जाने बावत् आवेदक संस्थान वचनबद्ध है।

महाप्रबंधक 🕼 एस.ई.सी.एल सोहागपुर क्षेत्र

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# वचन पत्र

# शर्त कमांक - xi(c)

राज्य शासन वन विभाग के निर्देशानुसार सुरक्षा क्षेत्र को हरित पट्टी के रूप में बनाये रखे जाने तथा dense canopy सुनिश्चित किये जाने के लिये वन विभाग के मॉॅंग पत्रानुसार राशि का भुगतान किये जाने बावत् आवेदक संस्थान वचनबद्ध है।

b ,एस.ई.सी.एल सोहागपुर क्षेत्र

(A Subsidiary of Coal India Limited) (Maha Ratna Company) साउथ ईस्टर्न कोल फील्ड्स लिमिटेड Office of the General Manager, Sohagpur Area महाप्रबंधक कार्यालय, सोहागपुर क्षेत्र P.O. Dhanpuri, Distt. Shahdol(M.P.), Pin 484114 Tel: (07652) 250302 Fax: 250882 Regd. Office: Seepat Road, P.B. No.60 Bilaspur\_495001 (CG)



# वचन पत्र

शर्त क्रमांक - xv

गैप-प्लांटेशन, मृदा एवं नमी के संरक्षण के लिये वन विभाग के मॉंग पत्रानुसार राशि का भुगतान किये जाने बावत् आवेदक संस्थान वचनबद्ध है।

> <u>१२८२</u> महाप्रबंधक एस.ई.सी.एल सोहागपुर क्षेत्र



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# वचन पत्र

# शर्त क्रमांक - xxv

व्यपवर्तित वन भूमि की सीमा, खनन लीज व सुरक्षा क्षेत्र का सीमांकन परियोजना व्यय पर किये जाने बावत् आवेदक संस्थान वचनबद्ध है।

> ध्रिः महाप्रबंधक एस.ई.सी.एल सोहागपुर क्षेत्र



SOUTH EASTERN COALFIELDS LIMITED (A subsidiary of Coal India Limited) (Maha Ratua Company) साउथ ईस्टर्न कोल फील्ड्स लिमिटेड Office of the General Manager, Sohagpur Area महाप्रबंधक कार्यालय, सोहागपुर क्षेत्र P.O. Dhanpuri, Distt Shahdol(M.P.), Pin 484114 Tel: (07652) 250302 Fax: 250882 Regd. Office : Seepat Road, P.B. No.60 Bilaspur\_495001 (CG)

# वचन पत्र

# (शर्त कमांक - xxvii)

व्यपवर्तित वन भूमि को किसी भी परिस्थिति में केन्द्र सरकार की पूर्व स्वीकृति के बिना किसी अन्य एजेन्सी, विभाग या व्यक्ति को हस्तांतरित नहीं किये जाने बावत् आवेदक संस्थान वचनबद्ध है।

> <u>केश्व</u> बहाप्रबंधक एस.ई.सी.एल सोहागपुर क्षेत्र

SOUTH EASTERN COALFIELDS LIMITED (A subsidiary of Coal India Limited) (Maka Ratua Company) साउथ ईस्टर्न कोल फील्ड्स लिमिटेड Office of the General Manager, Sohagpur Area महाप्रबंधक कार्यालय, सोहागपुर क्षेत्र P.O. Dhanpuri, Distt. Shahdol(M.P.), Pin 484114 Tel: (07652) 250302 Fax: 250882 Regd. Office : Seepat Road, P.B. No.60 Bilaspur\_495001 (CG)



# वचन पत्र

# शर्त कमांक - xxviii

समीपवर्ती क्षेत्र की वनस्पतियों तथा जीवों को कोई नुकसान नहीं पहुँचाने बावत् आवेदक संस्थान वचनबद्ध है।

100 एस.ई.सी.एल सोहागपुर क्षेत्र

SOUTH EASTERN COALFIELDS LIMITED (A subsidiary of Coal India Limited) (Maha Ratna Company) साउथ ईस्टर्न कोल फील्ड्स लिमिटेड Office of the General Manager, Sohagpur Area महाप्रबंधक कार्यालय, सोहागपुर क्षेत्र P.O. Dhanpuri, Distt Shahdol(M.P.), Pin 484114 Tel: (07652) 250302 Fax: 250882 Regd. Office : Seepat Road, P.B. No.60 Bilaspur\_495001 (CG)

# वचन पत्र

# शर्त कमांक - xxix

परियोजना से सम्बंधित सभी अधिनियमों-नियमों, विनियमों, दिशा-निर्देशों तथा समस्त प्रावधानों का अनुपालन किये जाने बावत् आवेदक संस्थान वचनबद्ध है।

> <u>प्रश्च</u> गडार्थ्य महाप्रबंधक एस.ई.सी.एल सोहागपुर क्षेत्र





(A Subsidiary of Coal India Limited) (Maha Ratna Company) साउथ ईस्टर्न कोल फील्ड्स लिमिटेड Office of the General Manager, Sohagpur Area महाप्रबंधक कार्यालय, सोहागपुर क्षेत्र P.O. Dhanpuri, Distt. Shahdol(M.P.), Pin 484114 Tel: (07652) 250302 Fax: 250882 Regd. Office: Seepat Road, P.B. No.60 Bilaspur\_495001 (CG)

# वचन पत्र शर्त क्रमांक – xxxi

खनन परियोजना में कोई भी अन्य शर्ते जो केन्द्र सरकार द्वारा अधिरोपि की जाती हैं, उसका पालन किये जाने बावत् आवेदक संस्थान वचनबद्ध है।

D& 1512 महापूर्वधक , एस.ई.सी.एल सोहागपुर क्षेत्र

#### THE NO. TU-11/43/2021-TU

Ame - A

### Government of India Ministry of Environment, Forest and Climate Change (Forest Conservation Division)

Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi: 110003,

### Dated: 7<sup>th</sup> June, 2022

To

Addl. Chief Secretaries/Principal Secretaries (Forests), All States/Union territory Administrations

Sub: Charging of an lump sum amount of the project cost towards the cost of implementation of the Wildlife Management Plan and lump sum amount of the project cost towards the cost of implementation of Soil and Moisture Conservation Plan –reg.

Sir.

I am directed to refer to above mentioned subject and to inform that issue related to preparation of Wildlife Management Plans, Soil Moisture Conservation Plans was considered by the Forest Advisory Committee in its meeting held on 11<sup>th</sup> May, 2022 wherein Committee inter-alia observed that preparation of such plans by the premier/reputed institutes consumes substantial time is resulting into considerable delay in the process which is ultimately delaying the commencement of different developmental projects. Committee further opined that implementation of mitigating measures should invariably be commenced with the commencement of non-forestry use of forest land and under no circumstances, such mitigating measures should be delayed beyond 2 years to ensure commencement of rejuvenation of ecosystem services lost from the forest area allowed for non-forestry use at the earliest possible time. After detailed deliberations and discussion in the matter, the Committee recommended that a lump sum amount towards the cost of implementation of Wildlife Management Plan and Soil and Moisture Conservation Plan should be charged in cases where preparation of such Plans is likely to take more time as compare to submission of other compliance for obtaining Stage-II approval.

Based on the recommendation of the Forest Advisory Committee (FAC) and acceptance of the same by the competent authority of the MoEF&CC, the Central-Government provides the following provisions to deal with situations where preparation and finalization of Wildlife Management Plan and Soil and Moisture Conservation Plan is delayed for various reasons not attributable to State/User agency:

i. The State Government should submit Wildlife Management Plan, along with detail cost of its implementation into the account of CAMPA along with the Stage-I compliance. However, in cases where it is not possible for the State to submit the compliance due to delay in preparation of such plan, a lump sum quantum of following amount may be realized from the User agency and submitted along with the Stage I Compliance:

a. 2% of total project cost towards the cost of implementation of the Wildlife Management Plan and/or 0.5% of the project cost towards the cost of implementation of Soil and Moisture Conservation Plan, as the

### File No.FC-11/43/2021-FC

case may be, shall be charged from the user agency and deposited into the account of CAMPA and the same may be intimated to the MoEF&CC for the purpose of obtaining approval under the FC Act, 1980.

b. The provisions provided in the WLMP or SMC Plan shall be approved by the competent authority in the State and accordingly, the deficit amount, if any, from the money already realized to the tune of 2% and/or 0.5% of project cost, shall be paid by the user agency, and same shall be deposit in the CAMPA account prior to actual working on the Forest area.

ii. The State Government shall ensure that details of the finalized WLMP, SMC Plan and disposition of monies, payment of deficit amount, etc. shall be intimated to and concurred by the concerned IRO of the Ministry before actual breaking/Non forestry use of the forest land.

iii. State Government shall ensure that under no circumstances, implementation of such mitigating measures envisaged in WLMP and SMC or other similar Plans/Schemes should be delayed beyond a period of 2 years to ensure commencement of rejuvenation of ecosystem services lost from the forest area allowed for non-forestry use of forest land at the earliest possible time.

Yours faithfully,

Signed by Charan Jeet Singh Date: 08-06-2022 09:11:07 Singh Reason: Approve haran Jeet Singh) Scientist 'D'

Copy to:

1. PCCF, All States/Union territories Administrations

2. Regional Officers, All Integrated Regional Office of the MoEF&CC at Bhubaneswar

3. The Nodal Officer, O/o the PCCF, All States/Union territory Administrations

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4. Monitoring Cell, Forest Conservation Division, MoEF&CC, New Delhi

5. Guard File

### ru-11/43/2021-ru

# Anne-B

### Government of India Ministry of Environment, Forest & Climate Change (Forest Conservation Division)

Indira Paryavaran Bhawan, Aliganj, Jor Bag Road, New Delhi - 110003.

# Dated: 16<sup>th</sup> January, 2023

To

The Addl. Chief Secretaries/Principal Secretaries (Forests), All States/ Union Territory Administrations.

Sub: Charging of a lump sum amount of the project cost towards the cost of implementation of the Wildlife Management Plan and lump sum amount of the project cost towards the cost of implementation of Soil and Moisture Conservation Plan for consideration of tree felling permission – reg.

Sir.

I am directed to refer to this Ministry's guidelines dated 8.06.2022 allowing deposition of 2% of total project cost towards the cost of implementation of the Wildlife Management Plan and/or 0.5% of the project cost towards the cost of implementation of Soil and Moisture Conservation Plan, as the case may be, for the purpose of obtaining Stage-II approval under the FC Act, 1980. Adverting to said guidelines, representation has been been received in the Ministry informing that given the involvement of huge cost in road projects, the 2% and 0.5% cost of Wildlife Management Plan and SMC Plan is too large in comparison to meagre forest area involved in the project and accordingly, the Ministry was requested to revisit the said guidelines guideline.

2. The matter related to charging of a lump sum amount of the project cost towards the cost of implementation of the Wildlife Management Plan and lump sum amount of the project cost towards the cost of implementation of Soil and Moisture Conservation Plan for consideration of tree felling permission, was considered by the Forest Advisory Committee (FAC) in its meeting held on 09.12.2022. The detailed minutes of the FAC meeting held on 09.12.2022 is placed on the website of this Ministry: www.parivesh.nic.in.

3. Based on the recommendations of the Advisory Committee, and approval of the same by the competent authority of the MoEF&CC, New Delhi, the following is clarified:

- i. In respect of linear projects, the stipulated norms of 2% and 05% towards the cost of Wildlife Management Plan and Soil and Moisture Conservation Plan, as provided in the Ministry's guidelines dated 8.06.2022, will be proportionate to the extent of forest land involved instead of total project cost or actual cost of implementation of such Plans, whichever is more, should be charged from the user agency
- ii. The provisions of Wildlife Management Plan or Soil Moisture Conservation Plan shall be approved by the competent authority in the State and accordingly, the deficit amount, if any, from the money already realized from to the tune of 2% and/or 0.5% of project cost proportionate to the extent of

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forest land involved, shall be paid by the user agency, and the same shall be deposited in to the CAMPA account.

- iii. The State Government shall ensure that details of the finalized WLMP, SMC Plan and disposition of monies, payment of deficit amount, etc. shall be approved by the competent authority and concurred by the concerned IRO of the Ministry within a period of one year from the date of deposit of the said amount.
- iv. The Guidelines dated 8.06.2022 stands modified to the extent as indicated above in respect of linear projects.

This issue with the approval of Competent Authority of the Ministry.

Signed by Charan Jeet Yours faithfully Singh Date: 17-01-2023 09:53:59 (Charan Jeet Singh) Scientist 'D'

Sd/-

### Copy to:

- 1. The PCCF, All States/ Union Territories Administration.
- 2. The Regional Officer, All Integrated Regional Office of MoEF&CC
- 3. The Nodal Officer, O/o the PCCF, All States/ Union Territories Administration.
- 4. Monitoring Cell of FC Division, MoEF&CC, New Delhi
- 5. Guard file.

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# **PROJECT REPORT**

(5%)

FOR

# BANGWAR UNDERGROUND

# SOUTH EASTERN COALFIELDS LIMITED (A MINI RATNA COMPANY) SOHAGPUR AREA

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# CMPDIL, RI – V (A SUBSIDIARY OF COAL INDIA LTD.) BILASPUR (M.P.)- 495001

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# ERECUTIVE SUMMARY

Report

Project

# INTRODUCTION

Bangwar underground project falls under the administrative control of Sohagpur Area, SECL and block area being 4.33 Sq.Km. Bangwar UG Project Report for a target Production of 0.65 Mte/annum-with a capital investment of Rs.2514 lakh had been approved by competent authority in May 1985. The project was to achieve target by 1989-90. Due to the non-acquisition of forest land the project was initially delayed by more than 30 months.

The approved report has been prepared on the basis of 26 boreholes and during the main dip drivage numerous minor Company extensive drilling was undertaken and 267 boreholes area. About 32 faults of throw ranging from 2m to 20m grade, thickness, faulting, structure of coal seam and coal A/c w.e.f. 1.4.92 and the production achievement in 94-95 submitted by the area alongwith the sanctioned capital is detailed below :-

		(Amóu	int in Rs.Lakhs)
SL. No.	PARTICULARS	EXISTING	AS PER APPROVED REPORT (May, 1985)
1.	Land	3.248	82.50
2.	Service Buildings	87.488	43.38
2.1	Residential Buildings	360.690	252.77
3.	Plant & Machinery	663.866	1419.40
4.	Vehicles	10.087	13.41
5.	Furniture & Fittings	5.915	3.30
6.	Prospecting & Boring	43.589	21.05
7.	Railway siding	nil	420.00
8.	Mine Development :		
8.1	Capital outlay	154.766	154.38
8.2	Roads & Culverts	81.7	23.64
	Pa)		

Engwar, U/G Mine Scanned by CamScanner

(Amount in De

		•	
SL.NO.	PARTICULARS	EXISTING	AS PER APPROVED REPORT
		24.05	50.32
8.3	Water supply arrangement &		
	Sewage disposal.	6.32	Nil
8.4	EMP	0.52	
8.5	R & D, FRP cost etc.	6.66	74.87
9.	Revenue nature		
11.11	expenditure to be capitalised	438.478	(-)44.64
1	GRAND TOTAL	1886.857	2514.38

CMD, SECL has written one letter No.CMD/SECL/ES/17/95/806 dated 30.5.95 to CMD, CMPDI.

Quote

"This matter had been discussed at the project review metting taken by Secretary(Coal) on 24.5.95 and I had submitted that it will be prudent to derate the project to an ultimate production level of 0.36 MT and restrict the capital expenditure to Rs.25.00 crores which will be well within the sanctioned investment. We have prepared a note on the subject and the same is enclosed herewith along with a copy of the plan."

Unquote

Bangwar Project has already been discussed with Secretary, Department of Coal on 24.5.95 and observation made is as follows:-

Vide Minutes of Meeting No.43012/8/95-CPM, Government of India, Ministry of Coal dated 20.6.95.

Quote

"Delay in Bangwar is due to bad geological condition met underground. He also mentioned that RPR for Bangwar with derated capacity of 0.35 Mte is under formulation."

Unquote

It was also suggested by Production company that railway siding and other infrastructure like elaborate coal handling plant etc, may be dispensed with as it is not

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required for this project after derating. CMD, CMPEI agreed to the views expressed by CMD, SECL and it was decided that a fresh thought will be given to this project and a Revised about 0.36 to 0.40 Mty, utilising the available infrastructure at the project site and with a minimum fresh input in the project for achieving revised target.

### MARKETABILITY

The production capacity of this project has been revised to 0.36 Mty. However, at the time of forcasting, the demand and availability of coal from SECL, the production from this project has been considered as 0.65 Mte. At present this project is linked with miscellaneous consumers. The expected grade of coal produced will be Steam 'C' grade and Slack 'D' grade 50% each.

As per new demand & production programme circulated by Coal and Lignite Groups for VIIIth and IXth Plan period (Coal India), the gap between demand and production at the end of VIIIth plan is (-)1.115 MT and at the end of IXth plan is +21.445 MT.

Standing Linkage committee has not considered the demand of new power station likely to comeup which are Raipur Alloy at Korba, L & T at Bhilai, RPG at Korba, Satpura Expn, Grasim Industry Power Plant, etc. The demand of these power plant will be nearly 20 MT at the end of IXth plan.

Marketing of this coal will not pose any problem as this coal can be easily linked with Sanjay Gandhi Super Thermal Power Station or any other superior grade coal consumer. At the same time, demand and production from CIC \_ is just matching.

#### LOCATION

This project is the part of Dhanpur'i Block-II located in Sohagpur Area in Shahdol District of Madhya Pradesh. The block is bounded by N latitudes  $23^{\circ}08'45"$  and  $23^{\circ}09'45"$  and E Longitudes  $81^{\circ}31'20"$  and  $81^{\circ}33'00"$ .

#### COMMUNICATION

The area is well connected by both rail and road. The nearest rail head is Amlai on Bilaspur - Katni section of S.E.Rly. The Amarkantak - Rewa road (metalled) passes approx.3 Kms. away in the Eastern part from the area under Consideration.

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### TOPOGRAPHY

Topography of the block is gently undulating. The elevation of the ground varies from 484.76m to 509.97m above Mean Sea Level Mean Sea Level.

### DRAINAGE

Bhagaiya and Nargara nallahs control the drainage The main stream of Bhagaiya nalla passes through the adjoining Dhanpuri Opencast Mine in the East. However, one branch stream of Bhagaiya also pases through south-east corner of Bangwar mine. Nargara roll. mine. Nargara nalla passes more or less along the notified boundary in the boundary in the west. the general slope of the ground is towards Bhagaiya Nalla. Sr:

#### CLIMATE

The Climate of the area is tropical. The maximum and minimum temperature during summer and winter generally varies from 46° C to 7.5°C. The average annual rainfall is around 1200mm around 1200mm.

#### NECESSITY ;

(i) The approved project report had been formulated on the basis of interim geological report with a borehole density of about 5.4 /sq.Km. During the time of main dip drivage, the workings encountered numerous faults other and geological disturbances and therefore extensive drilling had been undertaken and 267 borehole involving a total meterage of about 25000m had been drilled and it is seen that there are as many as 29 faults ranging in throw of 2m to 20m against 5 No. deciphered in the interim Geological Report.

(ii) It was also suggested that the railway siding will not be constructed in this project. It was also decided that instead of elaborate coal handling arrangement existing mini CHP will meet the needs of the project.

(iii) Due to the reduction in target, other infrastructures like service buildings, residential buidlings have to be reassesed.

(iv) In the approved project report, coal cutting machine has been provided which may not be required in the present circumstances.

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(v) In the approved project report Load Haul Dumper had been provided. The performance of LHD in SECL was not encouraging and SECL had already mastered in the technology of SDL deployment. At present the mine deployes 10 SOLs. So, LHD can be replaced by SDL.

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(vi)SECL also prefer pony conveyor, (small length; lower duty belt conveyor) instead of light duty chain conveyor.

Revision of the project report has become a necessity with changed gco-mining conditions like grade, thickness, faulting etc, unreliability of LHD & light duty chain conveyor, avoiding the construction of railway siding and elaborate CHP arrangement.

#### EXISTING STATUS

Bangwar project for a target production of 0.65 Hte with a capital investment of 25.1438 crore rupees has been sanctioned on 6.5.85. As per report, schedule date of completion was 1991. The production as per project report and as per actual is given below: -

Production Phasing (HT)

85-86 86-87 87-88 88-89 89-90 90-91 91-92 92-93 93-94 94-95 95-96 Year

0.65 0.65 PR Shedule - 0.10 0.16 0.40 0.65 0.65 0.65 0.65 0.65 nit nit 0.0098 0.09 0.093 0.1489 0.2181 0.187 0.0615 Actual -- (till 6/95)

As per projection, the total manpower deployment was proposed 1737 against this 976 has already been deployed. The total capital investment is as below:-

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Stug. PEM FEF Venicle Sdg. Dev. Expl. EMP Total Lung -----

. . . Prog.expd.

cill 0.0325 4.48178 6.63866 0.05915 0.10087 0.0000 7.11974 0.43589 18.8685 5/95

The loss per ton for 94-95 was Rs.(-)183.32/T and in 1995-96 upto July 95 was Rs.25.22/T.

#### DELAY:

Initial delay of more than 30 months in starting of project was due to delay in aquisition of 3.296 Ha forest land needed for inclines and other infrastructures. Coal seams traversed by a no. of faults in close succession in Main dip beyond 4th level as against 1 fault envisaged in Project Report. Coal seams also thinned out to less than 0.9m in some parts of the property.

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HODE OF ENTRY

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VI BOTTOM SEAM

IINE ENTRY	SIZE	LENGTH/ GRADIENT/ DIA/DEPTH		PRESENT STATUS	Shaffiri Shaffiri Shaffiri
<ul> <li>a) Incline</li> <li>No.1</li> <li>b) Incline</li> </ul>	4.8mx2.4m	- 124 H(1	in 4)	148.83M	
No.2 C) Incline	4.8mx2.4m	175 H(1	In 5)	193.764	
No.3 d) Air shaft	4.8mx2.4m	124 H(1 6m dia		155.00M 27.00H/5.5m	dia
<u>VI TOP SEAM ENTRY</u> VI top seam h bottom seam.	as been approached	by 2 nos. of	drifts and 3	nos. staple pits	; from V
	erelo so.x	SP-TE 12.04	The for So 1	to as the	
Mode of entry	size/ grad Diameter	dient/	Length	a and this of galletic could	
Drift No.1/5L	2.4mx3.6m 1	in 5	80m	an di ti	
Drift No.3/5L	2.4mx3.6m 1	in S	72m		r"
Staple pit #CD/8L					
Staple-Pit-ECD/8L	3.0m dia 10				124

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VI top seam had also juxta-posed with VI (bottom) near Fault F14F14, having throw 9m; So,VI (top) seam has been approached directly from VI bottom seam at this point.

VII SEAM ENTRY

DRIFTING FROM VI TOP TO VII SEAM

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Drifting from VI top to VII seam is in progress and its status is given below:-

Drift No.MD 1/34L		size	gradient	]	Remarks	
	80m	3.6m x	2.4m 1 in	5	Progress June	upto
Drift No.MD 3/34L	· · · · ·				44m.	
	80m	3.6m x	2.4m 1 in	5	30m	

3 No. staple pits for ventilation, coal transportation will be sunk from 37th level.

# METHOD OF WORK

Seam VI B has been developed by mechanised Bord & Pillar method of working. Coal is blasted off the solid and is loaded by SDL on to=Pony belt conveyor and in turn to gate belt conveyor. The gate belt discharges coal on to the trunk belt conveyor and trunk belt conveyor discharges on to the main conveyor installed into Incline No.2.

VI top seam has come in juxtaposition to the working of VI bottom seam near 29th & 30th level and development in VI top seam is in progress. The throw of the fault F12-F12 is In VI top seam also same system of development as in VI · 9m. bottom is proposed. VI top seam is also being developed by drift no. 1/5 L & 3/5 L.

At present 10 No. SDL and 11 No. Pony conveyor (22 KW) are installed in UG. Main ventilation fan of 8500-10000 cum/min, 75-100 mm water gauge has been installed.

CIVIL CONSTRUCTION

200 nos. of miner quarters have already been constructed and 210 are under construction and likely to be completed by August 95. 60 Nos. 'B' type quarters are already completed and 18 are to be completed by August, 95. 8 no. 'C' type and 1 no. 'D' type has also been constructed.

#### POWER

Substation building has already been constructed and 1 MVA 33 KV/3.3 KV transformer has been installed and 2nd 1 MVA transformer may be installed after repair.

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### COAL DESPATCH

Decision has been taken to despatch coal from Burhar siding in the meeting held on 27.6.92. having 2 x 100 te truck loading hoppers alongwith picking belt etc. It is proposed that no further extension will be required in the existing the as the production will only be 0.36 Mty.

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### PROPOSED BLOCK BOUNDARY

After detailed drilling in the Bangwar block, the mine boundary of the proposed project has been delineated on the basis of the existing adjoining mine working, proposed New Burhar No.3 incline scheme etc.

& F28F28 throw 13m-25m.

South Incrops of seam VI (bottom)

North

Fault F30F30 of 15m-32m throw(partly)

West

60m barrier with Nargarha nalla (For seam VI top limited to 1.2m thickness line).

East

Western boundary of the opencast.

It is proposed that area North of the Fault F28F28 (15m-32m) throw and fault F3F3 throw 80m (south of Dhanpuri block) will be worked by Burhar No.3 scheme.

#### GEOLOGY

The Bangwar Block is a part of Schagpur Coalfield and is mostly covered by this 15 x 20m cover of soil detritalmental. The gradient of coal seam generally varies o which occassionally flater gradient upto 1 in 40 at places.

### FAULTS

A total of 31 normal faults had been interpreted to occur in the mining block.

Igneous intrusion, 7 dolarite dyke have also Igneous intrusion, , use workings of Seam VI bottom. encountered in the underground the boreholes drilled in the property of the boreholes drilled in Though no dyke has been intersected in the block some more isolated dykes may be encountered during.

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SEQUANCE of	2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
SEQUANCE OF COAL BEAM IN BANGWAR BLOCK	
Coal Seam This anguar Block	
mickness Range (m)	Remarks
Seam-TY Minimum Maximum	
0.20	
(CMSD-323) (CMCD	Interbanded, infer-
	ior quality. Has attained workable
(CMSD-292) (CMSD 400)	thickness in isola-
	ted patches.
0.09 2.35 (CMSD-278) (CMSD-418)	Has attained work-
	able thickness in isolated patches.
36.65 57.05 (CMSD-502) (CMSD-426)	parcnes.
Seam-Vir m	이 같은 것이 있는 것이 있다. 그 소프로 가격을 통하는 것이 있다. 이 같은 것이 같은 것을 알려 나 소프로 가격을 통하는 것이 있다.
(CMSD-414) (CMSD-515)	Mostly thin and
Parting	un-workable.
(CMSD-364) (CMSD-507)	And And An House
Seam-V11 Bot. 0.20 4.20	n da in an an a star star star star star star star st
(CMSD-437) (CMSD soc)	- iseander odt is it
8.73 20:80	
(CMSD-422) (CMSD-414)	and the second sec
Seam-VI Top 0.16 0.7.00	Occurs as combined
(CMSD-286)	Seam (VI Combined)
Parting 1.00 27.30	in the northeastern
(CMSD-368)	part of the block.
Seam-VI Bot. 0.46 4.70	
(CMSD-346) (CMSD-501)	an marte and a second and
Parting 0.20 E.75	$\sim R_{\odot} + \pi_{c}$
Parting 0.30 5.75 (CMSD-356) (CMSD-287)	
Seam-V 0.02 0.80	Mostly Thin and
(CMSD-160) (CMSD-418)	un-workable.

The uppermost coal horizon viz., Seam IX, Seam VIII, Seam VII Top are mostly unworkable in major part of the block, so not considered in Project Report.

Bangwar, U/G Mine SECL

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### SEAM VII BOTTOM

Seam VII bottom occurs below Seam VII top with a parting of 0.48m to .17m. Thickness varies from 0.2m to almost in whole area except small patches in North-Western, North-Eastern and Southern part of the block. The useful samples has been analysed out of that 3 samples shows 'A' grade, 25 samples shows 'B' grade, 33 samples shows 'C' varies 'B' to 'C'.

### SEAM VI TOP

The parting with overlain Seam VII bottom varies from 8.73m to 20.8m. The seam thickness varies from 0.16 to 7m. In the extreme western part of the block it reduces to unworkable thickness. Its thickness is 1.2m to 1.3m. Its useful heat value varies from 3490 to 5685 K.Cal/Kg. 72 samples has been analysed out of that one sample shows 'B' grade, 26 samples shows 'C' grade, 36 samples shows 'D' grade and 9 as 'E' grade. The grade varies from 'C' to 'E'.

### SEAM VI BOTTOM

The parting with overlain seam VI top varies from 1m to 27.3m. The thickness of the seam varies from 0.46 to 4.7m. The UHV of the seam varies from 3131 to 630 K.Cal/Kg. 75 samples has been analysed, out of this 3 shows 'A'grade, 22 shows 'B' grade, 33 shows 'C' grade, 14 shows 'D' grade, 1 'E' grade and 2 shows 'F' grade. The grade varies from 'C' to 'D'.

### SEAM VI COMBINED

Seam VI combined occurs in a small North-Eastern part of the block, where the parting between Seam VI top and VI bottom is less than 1m. Its UHV varies from 4539 to 5008 K.Cal/Kg.

### LONGFLAME CHARACTERSTICS

As per test results the VM% of seam VI bottom, VI top, VI bottom and VI combine is +32% with an exception of nearly 30.5% in few borehole samples. This coal falls under the B-5 group and high moisture coal. The analysis satisfy the parameters of group B-5 longflame.

COLLIERY MANAGER Bangwar, U/G Mine SECL

Roof and F unt of coal scans

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Seam 	Roof Immediate	Upto 3m			loor diate		oto 1m		• 1 453	
VIIB	Carbsshale Grey shale		le, fine	sands	grained	gra	ined sa ne, san	nd•		
	5	grained medium g	rained	sands	m grain stone, gray			1641 21		
		sandstone		shale shale	sandy	12 12 21		او		
Top	ine, measur	•			ty shale		indy sha cy shate			
	and coarse grained	e and coa grained		-} shal	o.shale,gi le, fine	ca	rb.shale, ntercalati			
	vandstone, carb shal			grai stor	ined sar	of	shale			4
			n an anna Martin Mar		-		inds tone.	6 63 e. 181	sn t	
/1 Bottóm 🕼	Medium re	Fine, med	-	sandy	shale, shale,	gr	ey shald rb.shale		n di ni Ura	
	grained, • andstone,	grained sandston		Inter	shale calation		itercalati shale			
	arb.shale		1.15		hale and tone		indstone.	1. e	· · · ·	
	andy sha ( <u>W:thin</u> RESERVES :	ole mining <u>bloc</u> l	<u>.</u>				i A			क हे जी इ. इ. में
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### METHOD OF WORK

At present; Seam VI Bottom and VI Top is being developed by Bord and Pillar System of mining and the same has been proposed for VII Bottom Seam as well. The pillar size is proposed to be 26.5 m x 26.5 m centre to centre with a gallery width 4.5 m and height 2.5 m (25 Seam thickness). In virgin patch rectangular pillar of size 12.5 x 37.5 m may be formed subject to approval of DGMS. Blasting of the solid with delay detonator and proper blasting pattern with SDL for coal loading has been proposed. The SDL will load coal either on pony conveyor or in mine tubs. The number of headings per panel generally will be six, however, depending on geological conditions, they may vary from 3 to 8. Production per panel is taken as 400 tpd. At a time, 3 number of panels are proposed to be worked either two panels in seam VII bottom and one panel in VI top or vice versa.

### CAPACITY

Particulars	<u>Development</u>	Depillaring
No.of panels Production (tpd/Panel) Max. Production (tpd)/pane	2/1	2/1 400 457
Total No. of panels to be worked at a time	n stradio ng Anglan (1999), ang ang Tangtan (1999), ang ang ang Tangtan (1999), ang ang ang	3
Total Production	= 3 x 40	00 = 1200  tpd
Production per annum	= 1200 x 300 =	= 0.36 MT

MINING SCHEDULE

The production from VII Bottom, VI Top and VI Bottom may be as follows :

		and lot	Pr	oduction	in lakh T	
Yea	r 	95-96	96-97	97-98	98-99	
VII VI VI	Bottom Top Bottom	1.2	0.09 1.8 0.09	1.8 1.8 Nil	1.8 1.8 Nil	and the second sec
	Total	3.1	3.6	3.6	3.6	

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#### ..S/13..

## EQUIPMENT PROFILE

The major equipment in the project is tabulated below :

Equipment	Number
Standard Height SDL Low height SDL Roof bolting machine Endless haulage, 30 KW/37 KW Pony conveyor, 22 KW, 100 m, 8 100 TPH	6

### VENTILATION

The total number of panels proposed to be worked at a time in two seams will be 3. The total quantity of air required in the panel will be around 60 cum per second. A fan of 130 cum, 100 mm water gauge, 200 KW motor is proposed to be installed in the existing fan drift.

### TRANSPORT

At present, seam VI B has been approached by 3 No. inclines and one air shaft. 1000 mm 2x90 KW belt conveyor 200 TPH, 2 m per second speed is installed in incline No. 2. This belt conveyor discharged coal into a small hopper. Another belt of 1000 mm, 2x90 KW, 260 TPH, 2 m per second is installed in tandem. One more belt of similar capacity is proposed to be installed in tandem of 2nd belt conveyor. Coal at the face is proposed to be loaded by SDL onto pony conveyor discharging onto small belt conveyor or SDL loading coal in mine tubs. For material transport endless haulage of adequate capacity has been provided into gate and trunk roadways. For material transport at the surface 37 KW haulage has been installed in incline No.3.

### PUMPING

- LETT I LATE - LANGE

No hydrogeological survey has been conducted in this block. However, seams do not appear to be very watery. The make up of water is works out to be 66 LPS. The pumping capacity of 130 LPS with 100% standby has been provided. At present, 5 number 38 LPS, 100 m head pumps are installed which may be replace by 38LPS, 100 m head, 82 FM pumps. The sump capacity is proposed to be 8500 cum.

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<u>SAFETY</u>

### GAS & VENTILATION

The seams are assumed to be degree 1 gassy. For ventilation calculation, gas make up of 1 cum per tonne has been assumed. Adequate number of auxiliary fans etc. has been provided to keep the headings well ventilated. CO detector, methanometer etc. has been provided for monitoring the mine environment.

### TREATMENT OF COAL DUST

Water spraying arrangement at the vulnerable point has been provided alongwith non-combustible dust spraying in underground workings where water sparying is not feasible.

#### FIRE

To avoid any heating/fire sluggish ventilation has been avoided and working will be adequately and timely isolated after completion of panel. Cable of adequate sizes alongwith proper insulation with proper type of joint boxes etc. has to be used in the mine.

#### TRAINING

SDL is being used in the mine. However, refresher training will be given to workers and officers for efficient use of the SDL.

### SURFACE COAL HANDLING & DESPATCH ARRANGEMENT

At the surface, there is 2 x 100 tonne truck loading hopper. From there coal is despatched to Burhar siding by contractual trucks. Burhar siding is above 3 kms away from the project.

#### POWER SUPPLY

Project receives power at 33 KV from nearby Dhanpuri Opencast Project which is 3 kms away. The maximum demand works out to be approximately 1600 KW. The energy consumption at target level of production works out to be 19.70 KWH per tonne of coal production. In main substation two number of 1000 KVA 33/3.4 KV transformer are installed. This has to be replaced by 1600 KVA 33/3.4 KV transformer.

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### ..S/15..

For improving the power factor individual capacitor may be installed with big motor to achieve desired level of power factor improvement. KVA demand at 0.8 power factor with maximum demand of 1600 KW works out to be 2000 KVA. If we increase power factor to 0.92 then KVA demand will be 1739. Thus, there will be saving of 261 KVA.

## CIVIL CONSTRUCTION AND WATER SUPPLY

At present, 497 quarters are under construction or already constructed. The total number of workers for 0.36 MT are proposed to be 1100. 60% housing satisfaction has been taken for category workers because most of the workers will be transferred from other existing collieries of SECL. The total housing satisfaction works out to be about 61%. Service buildings more or less have been completed. However, water supply for additional quarters will have to be provided. Road and culverts for additional quarters have also to be constructed. Necessary capital for these have been provided in the report.

### MANPOWER PRODUCTIVITY AND TRAINING

As per approved report 1737 manpower were proposed and 976 are deployed so far. However, for 0.36 MT 1100 workers only will be needed. The overall OMS works out to be, 1.25. The workers and officers will be given refresher training as per statute.

#### LAND

The total area of Bangwar Block is about 433 Ha out of this about 400 Ha is forest land. As per observation of State Forest Research Institute, Jabalpur Compensatory Afforestation need not to be provided for this project. So, no compensatory afforestation land has been provided. About 50 Ha has already been acquired and few more Ha is to be acquired for residential building etc.

# ECOLOGY AND ENVIRONMENTAL MANAGEMENT PLAN

An Environmental Management Plan for Bangwar Underground Project has been prepared in 1994. The area has already adopted two villages, namely, Bemouri and Bangwar for community development. The total expenditure for community development will be about 5.82 lakh. The investment under EMP head is proposed to be about 63.877 lakh. The impact of EMP on production cost works out to Rs 7 per tonne.

COLLIERY MANAGER

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### CONSTRUCTION ACTIVITIES

The project is on-going project and major construction works have already been completed. However, drifting from VI top to VII bottom, sinking of staple pits etc. alongwith drifting in main roadways in VI top and in VII bottom seam are still to be undertaken. The zero date will be the date of approval of this Revised Project Report.

The phasing of production and manpower is given below .

Year	1st year	2nd year
Prodn. in Mte	0.31	0.36
Manpower phasing	992	1100

# CAPITAL AND ECONOMICS

It is an on-going project and total sanctioned capital for 0.36 MT is Rs 2514.38 lakh. Out of this Rs 1886.857 had already spent by project upto August, 1995. The project has incurred a loss of Rs 183.32 per tonne in 94-95 and Rs.25.22/T in 95-96 upto July, 1995.

The total capital required to achieve the target production works out to be 2754.85, if we convert this Capital to 84-85 level then it comes to 1470 lakhs. The proportionate capital for 0.36 MT against sanctioned capital works out to be 1392.58 lakh. These are very much comparable. The operating cost at target level of production works out to Rs 431.07 per tonne at an OMS of 1.25%. The economics at 100% and 85% is given below:-

-	100%	85%	
Production in Mt	0.36	0.306	
Production cost Rs/t	431.07	496.45	
Sale Price Rs/t	540.10	540.10	
Profit Rs/t	109.03	43.65	
IRR %	23.53	8.48	
R] %	15.45	6.05-	
RE %	22.53	7.67	
BEP%			77.26%
BEP Prodn. Mt	പ്പം പ	t-to the	0.278 MT

### CONCLUSION

The project is techno-economically viable and will achieve the target in 2nd year. Project is on-going and major development work has already been completed. Keeping all these factors in view, the report should be considered for approval.

\*\*\*\*

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# <u>पालन प्रतिवेदन - (अनुमोदित 403.118 Ha.)</u>

कं.	शर्त	पालन प्रतिवेदन
1	Legal status of the diverted forest land shall remain unchanged	मान्य है।
2	Compensatory plantation to be raised over equivalent non-forest land at the cast of the project. The non-forest land identified for this purpose should be handed over to the Forest Department and notified as protected forests before the release of forest lands being diverted by these orders.	भारत सरकार के उपकर्मो के द्वारा वैकल्पिक वृक्षारोपण की राशि का भुगतान वनविभाग को किया जा चुका है।
3	Mined over are to be reclaimed/ restored after mining/ quarrying is over.	कोयला उत्खनन के पश्चात् उत्खनित क्षेत्र को समतल करके एस.ई.सी.एल. के व्यय से वन विकास द्वारा वृक्षारोपण कराया जाता है।
4	In order that the construction labour and staff while working on the project area for meeting their fuelwood needs, the user agency will establish fuelwood or its cost deducted from their salary and wages.	एस.ई.सी.एल. के द्वारा कार्यरत श्रमिकों/ कर्मचारियों/ अधिकारियों को गैस सिलेण्डर की राशि का भुगतान किया जाता है।
5	Arrangements to be made by the project authorities for free supply of fuelwood or other sources of energy to the staff and labourers engaged in the project free of cost.	एस.ई.सी.एल. के द्वारा कार्यरत श्रमिकों/ कर्मचारियों/ अधिकारियों को गैस सिलेण्डर की राशि का भुगतान किया जाता है।
6	No explosive should be allowed to be stored in the forest area.	वन क्षेत्र में बारूद का भण्डार नहीं है।
7	The conditions/ safeguards proposed by the, while clearing the project, to be followed rightly.	मान्य है।

उपक्षेत्रीय प्रबंधक धनपुरी खुली खदान एस.ई.सी.एल. सोहागपुर क्षेत्र



Agency Name.	SOUTH EASTERN COALFIELDS LIMITED
Application No.	5829264778
MoEF/SG File No.	8-196/1984-FC (VOL.)
Location.	MADHYA PRADESH
Address.	post box No 60 seepat road Bilaspur ChhattisgarhBilaspur
Amount(in Rs)	17591546/-

Amount in Words :One Crore Seventy-Five Lakh Ninety-One Thousand Five Hundred and Forty-Six Rupees Only

NEFT/RTGS to be made as per following details;

Beneficiary Name:	MADHYA PRADESH CAMPA
IFSC Code:	UBIN0996335
Pay to Account No.	150765829264778 Valid only for this challan amount.
Bank Name & Address:	Union Bank Of India FCS Centre,21/1, III Floor, Jelitta Towers, Mission Road, Bengaluru-560027

 This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only



### NEFT / RTGS CHALLAN for CAMPA Funds

Date : 18-04-2025

Agency Name.	SOUTH EASTERN COALFIELDS LIMITED
Application No.	5829264778
MoEF/SG File No.	8-196/1984-FC (VOL.)
Location.	MADHYA PRADESH
Address:	post box No 60 seepat road Bilaspur Chhattisgarh Bilaspur
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 This Challan is strictly to be used for making payment to CAMPA by NEFT/RTGS only

**Note:**After making the required payment through challan, if the payment status has not been updated even after 7 working days, then kindly mail a copy of your challan with transaction date and reference id to Email: fcsblr@unionbankofindia.bank, epurse@unionbankofindia.bank, ubin0903710@unionbankofindia.bank

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e-PayOrder Details

e-PayOrder Number AOWE483949 Debit Status Success Scheduled Time 22-Apr-2025 [11:58 PM] IST

22-Apr-2025

1,75,91,546.00

# DISTRICT FOREST OFFICER SHAHDOL

# One Crore Seventy Five Lakhs Ninety One Thousand Five Hundred and Forty Six only

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Beneficiary Name	Beneficiary A/(	2	Beneficiary IFSC Code	Amount	Credit Status	UTR No.
FOREST OFFICER SHAHDOL	150765829264	4778	UBIN0996335	1,75.91,546.00	Success	SBINR12025042383043179

