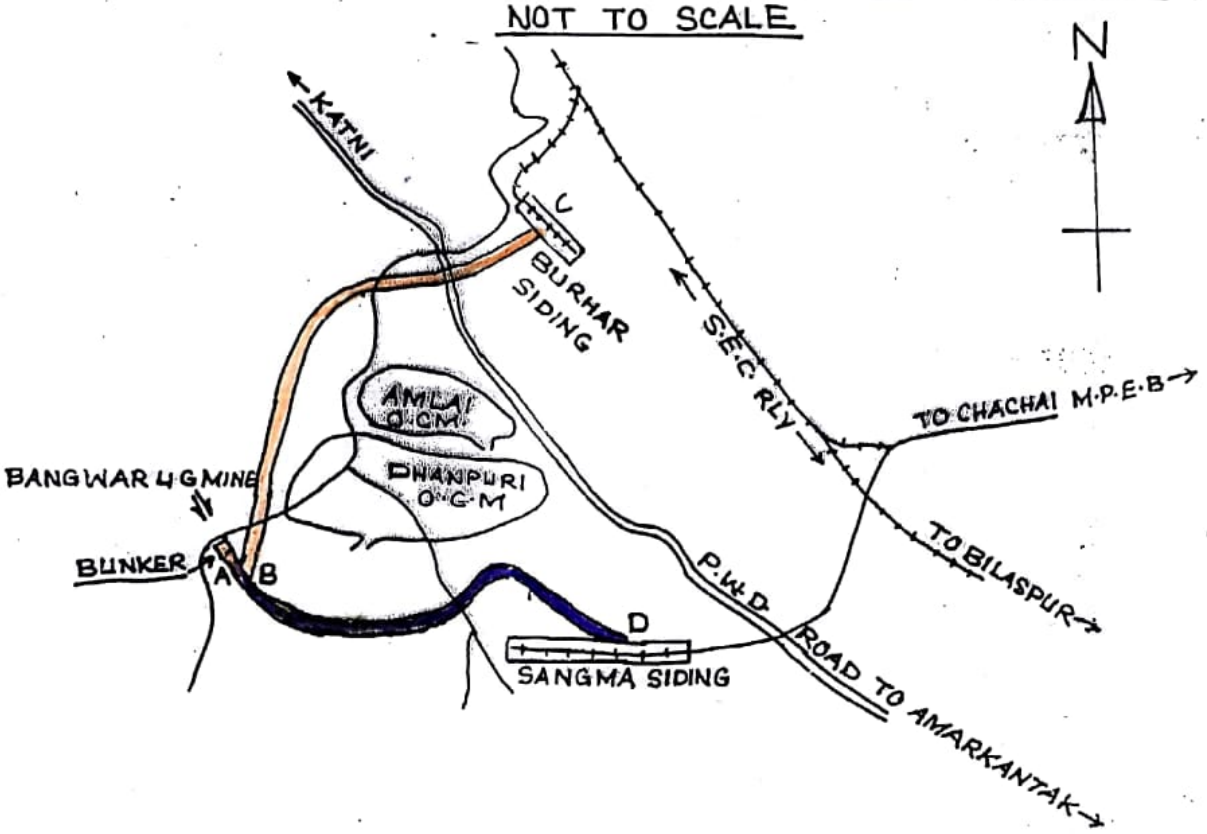
SOUTH EASTERN COALFIELDS LIMITED
SOHAGPUR AREA
BANGBAR U·G· MINE

PLAN SHOWING THE SHORTEST ROUTE FOR COAL TRANSPORTATION FROM BANGWAR U·G· MINE TO BURHAR SIDING

NOT TO SCALE



CERTIFIED THAT THERE IS NO ALTERNATIVE SHORTER ROUTE FROM BANGWAR MINE TO BURHAR SIDING EXCEPT THE ROUTE SHOWN IN THE PLAN FOR TRANSPORTATION OF COAL.

S·No.	ROUTE	LEAD	SHOWN IN COLOUR
01.	FROM BANGWAR MINE COAL BANKER TO SANGMA SIDING(A-B-D)	4·12 Km.	
02.	FROM BANGWARMINE COAL BANKER TO BURHAR SIDING(A-B-C)	6·62 Km.	

29/7/18
SUB AREA MANAGER
BANGWAR U·G· MINE

29/7/18
MANAGER
BANGWAR U·G· MINE

29/7/18
SURVEYOR
BANGWAR U·G· MINE

COAL DESPATCH

Decision has been taken to despatch coal from Burhar siding in the meeting held on 27.6.92. Interim CHP is 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 CHP as the production will only be 0.36 Mty.

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.

South	-	Incrops of seam VI (bottom)
North	-	Fault F30F30 of 15m-32m throw(partly) & F28F28 throw 13m-25m.
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 Sohagpur Coalfield and is mostly covered by this 15 x 20m cover of soil and detritalmental. The gradient of coal seam generally varies from 1 in 8, 7^{o} to 1 in 20 to 2^{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 been encountered in the underground workings of Seam VI bottom. Though no dyke has been intersected in boreholes drilled in the block some more isolated dykes may be encountered during working.

SAFETY

GAS & VENTILATION

The seams are assumed to be degree I 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.