

The Singareni Collieries Company Limited

(A Government Company) Registered Office: Kothagudem– 507 101

Ref. No: CRP/MP/EOI/ALP/2025

Date: 27.05.2025.

INVITATION FOR "EXPRESSION OF INTEREST (EOI)" FOR DEVELOPMENT AND EXTRACTION OF LONGWALL PANEL NO.3 AND 4 IN NO.3 SEAM BELOW THE EXTRACTED LW PANELS OF NO.1 SEAM ADIYALA LONGWALL PROJECT MINE, APA

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1. ABOUT SCCL:

The Singareni Collieries Company (SCCL) is a Government company with equity participation of 51% by Government of Andhra Pradesh and 49% by Government of India. The Company's mining operations in Godavari Valley Coalfield, extended in six districts of Telangana State.

Godavari Valley Coalfield is having a strike length of 350 km and covers an area of 17,000 square km. The coal reserves are of non-coking and bituminous type.

SCCL supplies coal to a diverse customer base ranging from power utilities, cement plants, captive power plants and pharmaceutical companies to small sector units like brick kilns etc. About 80% of its coal production is linked to power plants situated in the states of Telangana, A.P., Maharashtra and Karnataka.

SCCL is a profit making company and is paying dividend to its shareholders for the last 20 years.

2. Technical terms and conditions for the above subject:

Location:

Adriyala Longwall Project Mine (ALP Mine) of M/s Singareni Collieries Company Limited (SCCL) is an underground mine located towards south side of Ramagundam Coal Belt in Adriyala Longwall Project Area. The area falls in Peddapalli district of Telangana State (India) in Godavari Valley Coalfields. The area of the present Adriyala Longwall Project Mine is 14.25Sq.km. The mine lies between North latitude 18^o 36' 50" to 18^o 41' 17" and East longitude of 79^o 33' 54" to 79^o 36' 42". It covered by Survey of India Topo Sheet No. 56N/10. The nearest railway station is Ramagundam on Kazipet – Ballarsha railway line, which is about 24km away from the mine. Peddapalli the district head quarter is about 20km away from the mine.

General:

Adriyala Longwall Project (ALP) is one of the mechanized underground mines operating in the Ramagundam coal belt, SCCL in Godavari Valley Coal Fields (GVCF), Telangana state, India. There are four workable seams in the mine. The extractable reserves in the project area are 78.597 million

tonnes (Mt). The rated production from the project is 2.817Mt per annum and has a planned life of 35 years. The mine is accessed by four punch entries and Two Temporary Punch entries for transportation of men, coal, material and ventilation, located in the No.1 seam from the adjacent Opencast-2 mine high wall and one return air shaft of 7.5m diameter sunk up to 484m depth from the surface. The gradient of the seam is ranging from 1 in 5.5 to 1 in 6.5 and the depth ranging from 294 m Minimum (1 Seam) and 644m Maximum (4 Seam). Presently, all the workings are being done in No. 1 seam. In No.1 seam LWP No.1,2,3 were completed and LWP No.4 face operations yet to start.

	Panel No. 3	Panel No. 4
Length of the Panel	2427m	1183m
Width of the Panel	250m	250m
Height of extraction	3.8m	3.8m
Approx. Reserves	17.59 LT	36.08 LT
Min depth	515m	610m
Max depth	650m	690m

The details of Panel No. 3 & 4 of No.3 seam are given below:

Proposed tentative reserves:

- Development reserves = 6.92 LT (20830m)
- Extractable reserves = 53.67 LT
- Total reserves = 60.59 LT

The above figures may likely to change subject to scientific studies which are under progress.

In part of the Panel No. 3 & 4, an overburden dump of 90m is exists over the panels.

The Longwall equipment consists of EL 3000 shearer with 2295 KW installed capacity, Armoured Face Conveyor (AFC) with installed capacity of 2565KW, Beam Stage Loader (BSL) of 400KW, 146 shields of capacity 2X1150t and 1.75m width, 2X4.5 MVA of 11KV/3.3KV transwitches and 3Kms long, 1600mm wide gate belt with 3x315 KW drives.

Details of seams:

:	Coal roof
:	Coal / shale
:	Sand stone
:	Coal
:	Sand stone
	::

Ventilation System:

In Adriyala Longwall project mine, Total Number of entries is seven, in which six are intake air ways and one is Return air Shaft in No.1 seam. For No.3 seam detailed ventilation studies are being conducted at R&D department, corporate.

Adriyala Return Air Shaft:

Total depth: 481m up to No. 4 Seam(361m up to No. 1 Seam)Finished Diameter: 7.5m

Type of Lining : RCC of 300mm thick Grade M-20.

Specifications of Main Fans	2 Nos (1 running + 1 standby)
Make	Zitron
Motor Capacity	500HP / 400kW &
	550V
Fan Dia	3200mm
Fan Speed	750 RPM
Fan Type	Direct Driven
Motor Control System	VFD
Designed Air	12000
Quantity(Cu.m/min)	
Designed Pressure mm WG	132
Blade angle	-20° to +20° set to -
	200

Air chilling plant:

For supplying Cool air to Longwall panel, outsourced Air chilling plant of 1624TR capacity installed at Punch entry-3, and 50m3/sec Air Chilled from ambient with 50 to 75% relative humidity to 9° C.

Pumping:

No.1 Seam: Mine make of water is 3000GPM and pumping capacity is 5500GPM.

No.3 Seam: No.3 Seam is virgin and currently it is under development.

Men & Material transportation:

No.1 Seam: Three chair lift systems covering a distance of about 3.25km from RAMP (Surface) to entrance of the gate roads have been provided for men transportation Multi utility Diesel vehicles are available with Rapid Attachment System (RAS) are being used for material transportation will be extended to No. 3Seam in due course.

Coal evacuation:

No.1 Seam: Conveyor system of 9Km long from Longwall gate belt (Underground) to Coal Screening Plant (CSP) is installed and commissioned with 11 Conveyor belts with installed capacity of about 12 MW. The conveyor system consists of nine Steel cord belts & 02 PVC belts of 1600mm width, 3500TPH capacity, 4.0m/s speed and Variable Frequency Drives (VFDs).

No.3 Seam: Coal transport system will be from No.3 seam to No.1 seam through interseam tunnels.

Power supply:

The Mine is being supplied by 11Kv system, and operating at 3.3Kv.

Environment monitoring:

Tube bundle gas monitoring system is commissioned on 19th September, 2018, to monitor entire mine environmental conditions.

A 1200CFM capacity N2 plant is installed on surface of the mine, for goaf inertisation in Longwall panels.

3. Scope of work of SCCL:

SCCL shall undertake the following activities:

Coal Transport:

SCCL shall make arrangements for outbye coal clearance from gate belt discharge up to surface.

Supply of Ventilation:

SCCL shall provide air quantity @ 2,500 CuM/min. at immediate in bye of the last cut-through and the quality of the air shall be as per the standards of ventilation under CMR 2017.

Construction of ventilation stoppings, isolation stoppings and any other arrangements to be made for effective coursing and organization of ventilation in the panel including face shall be to the scope of SCCL.

The monitoring of environment & air quality at the face, goaf environment and initiation and execution of subsequent mitigative measures shall be to the scope of the SCCL.

Clean water supply:

Clean sand filtered water as per the standards of O&M manual shall be supplied by SCCL up to energy train for the purpose of water spraying, dust suppressions & cooling of motors at the required quantities. However the contractor has to make his own arrangements to send the water at the required pressure by providing Pressure Reducing valves at strategic locations.

However, SCCL shall further supply RO water up to energy train for the purpose of hydraulics operations. However the contractor has to make his own arrangements to send the water at the required pressure by providing Pressure Reducing valves at strategic locations.

Electrical Power: Supply of electric power up to transwitches, required for the entire operations shall be to the scope of SCCL.

Men Transport: To minimize the travel time of workforce, SCCL shall provide manriding systems from surface upto starting of gate roadways.

Diesel Fuel supply for FBLs will be under the scope of SCCL.

Material Transport: SCCL shall transport required material to and fro between surface and the longwall face.

Stone dust: Stone dusting of the Gate Roadways shall be under the scope of SCCL.

Mine site office: Unfurnished office accommodation with intercom telephone facility at the mine site for the onsite Project Manager will be arranged by SCCL.

Surface work shop facilities: SCCL permits the contractor to utilize the existing facilities at RG-2 Area Workshop along with SCCL's manpower.

Suitable Warehouse will be provided to the Contractor for keeping their spares and consumables with 24 hour access at free of cost. However the contractor has to make his own security arrangements for their Stores.

Contractor shall ensure that the services under the contract will be performed in accordance with Indian Coal Mine Safety Regulations in force from time to time which the SCCL shall bring to the notice/ attention of the Contractor and Contractor shall protect SCCL legitimate interests in all circumstances. However, any abnormal implication affecting either of the parties due to such changes will be mutually discussed and settled.

In course of the services to be performed under this contract, Contractor shall be responsible for adhering to Indian Coal mines safety laws.

Danger due to fire, inundation, roof falls, cavities etc: SCCL and Contractor shall follow the method of mining and other stipulations imposed by DGMS authorities for minimizing the risk of spontaneous heating. In case of any spontaneous heating in goaf and occurrence of fire if any, the same shall be dealt by SCCL and contractor has to extend his full support by way of sparing manpower, material and other resources available with them.

If any material is spared at the time of spontaneous heating to SCCL by contractor, either the material spared will be replenished or cost will be paid to contractor by SCCL.

Goaf inertisation is under SCCL scope:

Goaf intertisation will be done from surface N2 plant up to the LW goaf with pipelines and it is under the scope of SCCL.

Supply of required roof bolts/ timber/ Girders/ resin capsules as assessed jointly by both the parties during operation is under the scope of SCCL.

Accomodation: SCCL shall provide following unfurnished accommodation subject to availability without charging the contractor. SCCL will supply electric power without charing the contractor.

40 rooms in JEQ quarters.

1 CIS barrack quarters.

In addition to the above, the Company shall provide the following additional facilities to the Contractor, on free of charge.

Cap lamps and flame safety lamps for Contractor's workers and supervisory personnel, shift wise at ALP. The place of issue, number of Cap lamps and flame safety lamps to be provided to the Contractor shall be determined by the GM,APA or PO,ALP.

The Contractor shall ensure that the cap lamps are duly returned to the lamp room, in proper condition, at the end of each shift. For any damage to, or loss of any cap lamp by the Contractor's men, the Contractor is liable to be charged, by the Company, at rates to be fixed by the GM, APA area.

Statutory supervision, such as Under Manager, Pit Engineer, Overman, Electrical Supervisor, Mechanical Charge-hand and Mining Sirdar to carry out statutory supervision. However, Contractor has to appoint qualified certificate holder to carry out all the electrical installations, repairs and maintenance in the Contractor's scope.

The Contractor shall arrange for Induced blasting and any other balsting at face including drilling and transport of explosives as stipulated by DGMS authority and as directed by the Colliery Manager depending on the strata conditions and SCCL will provide the shotfirer and explosives free of cost .

SCCL shall arrange for required explosive consumables (explosives, detonators and fuse wire etc. (without charging the contractor for explosives). However, shot firer/sirdar shall be provided by SCCL

(without charging the contractor). Transport and handling of explosives to perform the required work shall be to the scope of the Contractor.

SCCL shall provide the suitable Crane facility beyond 40tonnes required for equipment loading and unloading at surface near the mouth of the incline/Workshop/Contractor's site subject to availability without charging contractor.

4. Brief Scope of work for Contractor:

 Development of trunk roadways and gate roadways of LWP No.3 and LWP No.4 in ascending order including cut-throughs' in top section of No.3 seam. Development equipment (viz, Roadheader/CM) is to be procured by Successful bidder.

Tentative plan showing proposed site of work is enclosed as **Annexure-1**.

2. Operation and Maintenance Contract including spares for High Capacity Longwall Package/ Equipment (Supplied by M/s Caterpillar Global Mining Europe, GmbH, Germany), for extraction of coal from two LW Panels (Panel No.3 & No.4) including two face transfers (from Panel No.4 of No.1 seam to Panel No.4 of No.3 seam & Panel No.4 of 3 seam to Panel No.3 of 3 seam) or for a period of 72 months whichever is earlier on cost per ton basis at ALP of Adriyala Project Area and including refurbishment of the equipment during face transfers. Equipment is procured by SCCL.

List of equipment is enclosed as **Annexure-2**.

3. Detailed scope of work will be submitted after EOI.

5. History of the mine:

Adriyala Longwall Project Mine (ALP Mine) of M/s Singareni Collieries Company Limited (SCCL) is an underground mine located towards south side of Ramagundam Coal Belt in Adriyala Longwall Project Area. The area falls in Peddapalli district of Telangana State. The mine lies between North latitude 18⁰ 36' 50" to 18⁰ 41' 17" and East longitude of 79⁰ 33' 54" to 79⁰ 36' 42". It covered by Survey of India Topo Sheet No. 56N/10. The nearest railway station is Ramagundam on Kazipet – Ballarsha railway line, which is about 24km away from the mine. Peddapalli the district head quarter is about 20km away from the mine. ALP Mine was opened on 12.02.2008 and coal production started in the month of June, 2008. ALP Mine having common mine boundary with Ramagundam Opencast-II Mine on its South and Godavarikhani No.10 Incline Mine on its West.

Entries to the mine from 1 seam by (PE-1, PE-2, PE-3, PE-5, TPE-1 & TPE-2) made from highwall of RG OC-II mine. PE-1 is provided with Chair lift system for transport of persons, PE-2 is the Belt conveyor roadway for transport of coal, PE-3 is the roadway for Diesel vehicles/transport roadway and for Cool Air Entry, PE-5 is haulage roadway used for material transportation, TPE-1 & TPE-2 are used as temporary entries. All the six inclines (Punch entries) are being served as

intake airways. In addition to this three Trunk Roadways (RA1, RA2 & RA3) are being used as Return Airways. An Air Shaft of 7.5m diameter and 481m depth up to No.4 Seam is being served as main return airway. The shaft is connected at 61L/6D of 1 Seam at 361m depth from surface. An axial flow fan drawn 11,242 m3/min air, 400 KW capacity Main Mechanical Ventilator (MMV) drawn 95mm wg was installed at surface.

Three Longwall panels namely LWP No.1, 2 and 3 were completed and LWP No.4 face operations are yet to start. At the time of LWP No.3 salvaging CO traces was observed presently panel was sealed off on 03.02.2025. N2 Flushing, CO2 Flushing done and at present CO is about 0 PPM, regular monitoring is being done.

Entries to the No.3 Seam from Punch Entries (3SPE-1 & 3SPE-2) made from previously formed highwall benches of RG OC-II mine are started on 29.02.2024. These two entries are under development with drilling and blasting method by LHD/SDL.

Drivage of inspection galleries for inspection of water dam in between GDK-10Incline and ALP mine is under progress balance is 25mts.

Inter-seam tunnels (Haulage Tunnel & Belt Tunnel) from No.1Seam to No. 4 Seam are under development. Haulage tunnel was completed from 1 seam to 4 seam. Belt tunnel was connected to 2 seam and 2 seam to 4 seam is under progress. Balance drivage of belt tunnel is 155m.

Ten coal seams are available within leasehold area of ALP Mine. These are 1C Seam, 1B Seam, 1A Seam, 1 Seam, 2 Seam Top & 2 Seam Bottom, 3B Seam, 3A Seam, 3 Seam and 4 Seam in descending order, in which 1 Seam, 2 Seam, 3 Seam and 4 Seam are workable in the mine. Gradient of coal seams varies from 1 in 5.5 to 1 in 6.5. 1 Seam, 2 Seam, 3 Seam and 4 Seam are of degree-I gassiness. The thickness of 1 Seam is about 5.5m to 7.2m, thickness of 2 Seam is about 3.5m to 7.0m, thickness of 3 Seam is about 9.0m to 11.5m and thickness of 4 Seam is about 1.75m to 4.4m.

List of Working Districts at Ad	riyala Longwall Proje	ct Mine on the day of
inspection:		

District	Minimum Depth	Maximum Depth
	(in mtrs)	(in mtrs)
3 Seam Punch Entries	200	267
Interseam Tunnels	498	564
Inspection Galleries	372	383
Longwall Panel No.4	526	596
development		

Details of the working seams and RMR of the roof strata are follows:

SEAM	LOCATION	RMR
1. Coom	87LS/N2 DIP	56.22 (Stone Roof)
1 Seam	87LS/N4 DIP	62.14 (Coal Roof)
2 Seam	78LS/HAULAGE DIP	68.90 (Stone Roof)
3 Seam	3SPE-1D	68.85 (Stone Roof)

Section of the strata along Borehole No. RS-26 is indicated below:

Bore hole No.	Section of	the stra	ta along Borehole No. RS on its East) is indicated b	5-26 (lying beyond below:
Depth from	Thickness	Strata	Name & thickness of	Present condition
surface	(m)	00.000	Seam/inter parting	over/under
	(,			proposed area
3.00	3.00		Surface Soil(Top soil)	
18.80	15.80		Brown Sandstone	
432.50	413.7		Yellowish brown, Clay	
433.80	1.30		Coal, Carbonaceous Clay	
434.30	0.50	//////	Coal – No 1C Seam	Virgin
435.00	0.70		Carb Shale	
436.25	1.25		Grey sandstone	
436.95	0.70		Carb Shale	
437.50	0.55	//////	Coal – No 1B Seam	Virgin
438.75	1.25		Grey, Clay	
440.05	1.30	//////	Coal – No 1A Seam	Virgin
440.25	0.20		Grey, Clay	
440.50	0.25		Carb Shale	
464.10	23.60		Grey sandstone	
469.60	5.50	//////	Coal- No.1 Seam	Developed
487.30	17.70		Grey sandstone	
488.44	1.14		Grey, Clay,Shale	
489.00	0.56	//////	3.56 m No.2 Seam	
489.87	0.87		(2 Seam Top and 2	Virgin
492.00	2.13	//////	Seam Bottom).	
493.25	1.25		Carb, Shale	
504.00	10.75		Grey sandstone	
504.71	0.71		Carb Shale	
505.31	0.60	//////	Coal – No.3B Seam	Virgin
505.90	0.59		Sandy Shale	
532.10	26.20		Grey sandstone	
534.27	2.17		Grey Sandstone, Clay,Shale	
536.15	1.88	//////	Coal – No.3A Seam	Virgin
558.00	21.85		Grey sandstone	
568.70	10.70	//////	Coal – No.3 Seam	Punch Entries under development
569.05	0.35		Clay, Hard	
575.45	6.40		Grey sandstone	
577.20	1.75	//////	Coal – No.4 Seam	Virgin
581.70	4.50		Grey sandstone	

► End of the BH at a depth of 581.70 m

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Annexure-1: Tentative plan showing proposed site of work





List of Equipment:

SI. No	TECHNICAL DATA	Adrivala Longwall
Ι	POWERED ROOF SUPPOR	TS
1	Support capacity	1152Tonnes(2leggedDTDAversion)
2	Support Density	120TonnesperSq.mt(before cut) 104Tonnes(after cut)
3	Operating Range	2.8to3.6m
4	Closed and open height(Shield Range)	2.4to3.9m
5	Support width	1.75m
6	Setting load	90% of Yield load. A Separate high pressure set system (400bar) shall be provided instead of increasing the main system pressure.
7	Canopy shall be provided with	Canopy shall be provided with Knuckled flipper that allows tip to face to be supported along with the top of the seam.
8	Canopy tip to face distance	Around 509mm to 529mm
9	Relay bar Stroke length	0.85m
10	Advancing system	Reverse mounted advancing ram with stroke length equal to web depth (850mm) plus 100mm with required capacity in tones for pulling and pushing of AFC. Provision shall be made on relay bar to increase by another 200mm. The advancing rams shall be end mounted ones.
11	Rapid Yielding	Rapid yielding valves of 1500lpm and Gas operated Rock burst valve (DN 40 U) of flow rate of about 6000 lpm for each leg.
12	Operating fluid	2-3% Synthetic Oil
13	Base	Shall be designed to work side inclination upto 1:4 and dipping direction of retreat with gradient of 1:10
14	Controls	Batch controls of 5 to 10 +SIRSA for advancing the supports as per the movement of shearer automatically.
15	Side shield	Movable side shield shall be provided on the both sides of support with a provision to lock as per requirement. When one side is movable, the other side shall be fixed with rehandable facility.
16	Positive Set	Each leg shall have positive set system with a separate line.
17	No. of Cycles (life cycle test)	The powered roof support shall be suitable for 60,000 operational cycles.
18	Leg System	Each leg shall have one pilot operated non- returned valve, one yield valve and one pressure gauge with dual needle. Each leg shall have independent hydraulic circuit.
19	Anti Topple	Anti Topple arrangement shall be provided to gate support
20	Approx. Weight of support	35Tonnes

21	Support Control	PMC-R Electro-hydraulic control
22	Contact pressure(base)	At450bar: 2.93MPa
22	Contact pressure(roof)	At450bar: 1.34MPa
23	Type of legs	Double telescopic
II	SHEARER	
1	Make	BUCYRUS DBT
2	Type/Model	EL3000
3	Haulage System	Soft Start System for haulage
4	Haulage System-Track	Jumbo track 2000
5	Electrical motors	i) 2 X860KW for cutter drums
		iii)200KW for in built crusher
		iv) 1X75KW for hydraulics
		v) 200kW built in Crusher
6	Cutting height	2.8mto3.6m
7	Shearer height	1.68m
8	Operating voltage	3.3KV,3-Phase,50 Cycles
		3000 TPH(while travelling up the hill at a
9	Cutting capacity	aradient of 1 in 4(about 14 degrees)
10	Web denth	
10		
11		
11	Shearer and AFC	749 mm
	Cutter drum:	Dia: 2.3m with adequate and efficient dust
	Minimum guaranteed	suppression system with back face flushing of
10	tonnage of coal to be	the pick and suitable gas diffusion arrangement
12	extracted by each set	(Hydra ITPP System).(Incendive Temperature
	of drum in 3.0MT	Potential Protection System)
	Machine length (between	
13	drum centres arms	Approx 15 90m
10	horizontal)	Approx.15.60m
14	Machine weight	90Tonnes
15	Machine control	Radio control
16	Cutting height	3600mm with a 362mm under cut
10	Max Cutting height	3955mm with a 362mm under cut
17	Drum diameter	2.3m
18	Drum Web	850mm Across the picks
19	Machine height	1680mm
20	Haulage Pull(100%)	102Tonnes (996KN)
21	Max.Machine speed	30.11m/min
22	Ranging Arm	2XRA860 ARMS@35 RPM
23	Ranging Arm Motor	2XEL44C MOTORS@860KW
24	Haulage Unit	2XHU150 GEARBOXES@125KW
25	Haulage Motor	2XEL55C MOTORS@150KW
26	Power Pack	PP3-200L/min
27	Power Pack Motor	PM3-75KW
28	Coal Sizer	200 KW EL69B
29	Down Drives	DD 150 22T/31T/11T JUMBO TRACK 2000
30	Main Frame	MF3-1680mm HIGH
31	Machine Voltage	3300V (3.3KV)
32	I otal installed power	2295KW(2x860 + 2x150 + 200 + 75)
III	AFC (ARMOURED FACE CO	NVEYOR)
1	Face length	260m long face+10.5m spare

2	Capacity	3X855KW,3.3KV,3-Phase,50 Cycles,1142 m wide, high wear-resistant, PF6 Deck plate w minimum thickness of 30+25mm, 48X144/1 mm twin inboard chain of suital speed(1.59m/s) and a minimum capacity convey of 3100 TPH.
3	Starter	CST soft start system
4	Gear boxes	At Main Gate : P and KP 45 CST; i=33 At Tail Gate: KP 45 CST; i=33 3x855kW Motor
5	 a. Min. guaranteed Tonnage of coal to be handled by AFC Pans. b. Min.guaranteed Tonnageof coal to be handled by sprocket and chain 	5МТ 2.5МТ
6	Other	a.The haulage system shall be designed to be level in to the gates i.e., no rise or fall vertically on the shearer haulage system, that may effect the horizon control. b.Auto tensioning arrangement. c.Hydraulics low running / driving system.
IV	BSL(BRIDGE STAGE LOAI	DER)
1	Make	BUCYRUS DBT MAKE-TYPE PF 6/1342
2	Length	29.5mwithsuitableoverlapsystem
L		
3	Capacity	400KW, 3.3 KV, 3-Phase, 50Cycles/ s 1342mm wide, high wear resistant, PF6 D plate w minimumthicknessof30+25mm,42X146mmtw nboardchain, 2.06 m/sec speed, and a minimum capacity convey of 3200 TPH.
3	Capacity Starter	400KW, 3.3 KV, 3-Phase, 50Cycles/ s 1342mm wide, high wear resistant, PF6 D plate v minimumthicknessof30+25mm,42X146mmtv nboardchain, 2.06 m/sec speed, and a minimum capacity convey of 3200 TPH. Suitable soft start system
3 4 5	Capacity Starter Gearbox	400KW, 3.3 KV, 3-Phase, 50Cycles/ s 1342mm wide, high wear resistant, PF6 D plate v minimumthicknessof30+25mm,42X146mmtv nboardchain, 2.06 m/sec speed, and a minimum capacity convey of 3200 TPH. Suitable soft start system KP-25/30;i=21
3 4 5	Capacity Starter Gearbox a. Min. guaranteed Tonnage of coal to be handled by BSL Pans. b. Min. guaranteed Tonnage of coal to be handled by sprocket and chain	400KW, 3.3 KV, 3-Phase, 50Cycles/ s 1342mm wide, high wear resistant, PF6 D plate v minimumthicknessof30+25mm,42X146mmtv nboardchain, 2.06 m/sec speed, and a minimum capacity convey of 3200 TPH. Suitable soft start system KP-25/30;i=21 5MT 2.5MT
3 4 5 6 7	Capacity Starter Gearbox a. Min. guaranteed Tonnage of coal to be handled by BSL Pans. b. Min. guaranteed Tonnage of coal to be handled by sprocket and chain Other	 400KW, 3.3 KV, 3-Phase, 50Cycles/ s 1342mm wide, high wear resistant, PF6 D plate w minimumthicknessof30+25mm,42X146mmtv nboardchain, 2.06 m/sec speed, and a minimum capacity convey of 3200 TPH. Suitable soft start system KP-25/30;i=21 5MT a. Tension frame provided for BSL. b. Hydraulics low running / driving system sha be provided. c. The overlap over under frame shallbe3.0m. d.
3 4 5 6 7 V	Capacity Starter Gearbox a. Min. guaranteed Tonnage of coal to be handled by BSL Pans. b. Min. guaranteed Tonnage of coal to be handled by sprocket and chain Other LUMPBREAKER(IMPACT I	400KW, 3.3 KV, 3-Phase, 50Cycles/ s 1342mm wide, high wear resistant, PF6 D plate v minimumthicknessof30+25mm,42X146mmtv nboardchain, 2.06 m/sec speed, and a minimum capacity convey of 3200 TPH. Suitable soft start system KP-25/30;i=21 5MT 2.5MT a. Tension frame provided for BSL. b. Hydraulics low running / driving system sha be provided. c. The overlap over under frame shallbe3.0m. d. CLUCRUSHER
3 4 5 6 7 V 1	Capacity Starter Gearbox a. Min. guaranteed Tonnage of coal to be handled by BSL Pans. b. Min. guaranteed Tonnage of coal to be handled by sprocket and chain Other LUMPBREAKER(IMPACT I Make	400KW, 3.3 KV, 3-Phase, 50Cycles/ s 1342mm wide, high wear resistant, PF6 D plate v minimumthicknessof30+25mm,42X146mmtv nboardchain, 2.06 m/sec speed, and a minimum capacity convey of 3200 TPH. Suitable soft start system KP-25/30;i=21 5MT 2.5MT a. Tension frame provided for BSL. b. Hydraulics low running / driving system sha be provided. c. The overlap over under frame shallbe3.0m. d. CUL CRUSHER Bucyrus DBT Make-TypeSK 1118 400KW 2.2KV 2. Phase 50 Cycles (asc.

3	Type of Drive	E-motor-Turbo coupling-Gearbox
	Total installed power	800kW
VI	GATE BELT CONVEYOR:	
1	Make	Bucyrus DBT Make
2	Length & Width	3000m length,width1600mm
3	Gear head	1No.of3X315KW,1.1KV,3-Ph,50Cycles/sec
4	Capacity	Not less than 3200 TPH
5	Loop Takeup Arrangement	To accommodate 200-210m belt with automatic loop take up arrangement.
6	Other Provisions	Communication, Control system with prestart warning, Pull cord arrangement, belt sway switches, zero speed protection for whole length of the Conveyor.
7	Belt Speed	4m/s
VII	POWERPACK	
1	HIGH PRESSURE UMP STATION WITH THE SUBSEQUENT -SETTLE AUTOMATIC, CONSIST OF:	 1. 1.3XEHP-3K200/53- 309lpm/360bar(200kW)-High Pressure PUMPS-200kW, - HAUHINCO 2. 2 X EHP-3K 50/32-51 lpm/500 bar(50kW) - BOOSTER PUMPS-75kW- HAUHINCOINCLUDINGFILTERSTATION AND EMULSION TANKS WITH AUTOMATIC EMULSION MIXING SYSTEM FOR BOTH PUMPS. 3. 3 X EHP-3K 150/62 -372 lpm/220 bar(150Kw) - WATER SprayingPUMP- 75kW-HAUHINCOINCLUDINGFILTER STATION AND WATER TANK
VIII	ELECTRICAL EQUIPMENT (3.3 INCLUDING CABLES – BALDW	KV, 3PHASE, 50CYCLES/SECSYSTEM) /IN & FRANCIS MAKE
1	3 Nos. of 11/3.3 KV, 4.5 MVA Transformers and Two Load centers	Set
	(with18 outlets including 4nos as Spare outlets)	
2	Flexible cable with plug & socket Complete	Set
3	Signaling, Communication and control system with pre-start warning	For AFC,BSL&GBC
4	Lighting system of low voltage with light fittings in the face for every Support, BSL, Pumping station and Electrical sub-stations	One set
5	Make of Electricals for Power cen	itre & Load centres : Baldwin & Francis
6	Gate Belt control, signaling(Lock	cout),Pull chord and communication system
7	11KV Belt convey or Switch Gear	
0	SCADA system for LW face equir	ment and GBC
Ŏ	Operating voltage of Longwall fa Operating Voltage of Gate belt C Operating Voltage of Trunk belt	ce equipment : 11KV/3.3KV conveyor : 11KV/1.1KV Conveyors : 11KV/1.1KV

IX	TRANSPORT & FACE TRANS	FER EQUIPMENT
1	2NOS.OF SHIELD HAULERS FBL 55	NO ATTACHMENTS, MACHINE IS WITH FORK
2	2 NOS.OFFBL10	 EACH WITH 1BUCKET AND 1FORK IN ADDITION FOR BOTH FBL10 TOGETHER: 1 DIESEL POD
		- 1 WORK BASKET - 1 MOBILE CRANE
3	4 NOS.OFFBL15	 EACH WITH 1 BUCKET AND 1 FORK IN ADDITION FOR BOTH FBL10 TOGETHER: 4 Nos of CHT Trailers
4	Hydraulic Winches	- 2nos

Note: The above details are given only to familiarize the Contractor with the equipment. If it is not mentioned in the list also the Contractor is sole responsible for the equipment from tail gate of AFC to discharge drum of gate belt.

The qualified and interested bidders shall respond and submit their expression of interest in the Format furnished as attachment (ANNEXURE) on or before 10.06.2025 at the following address and may also contact at the following address for further details:

General Manager, Adriyala Project Area The Singareni Collieries Company Limited, E-mail id: gm_adriyala@scclmines.com Web site: www.scclmines.com

NOTE: A Vendor meet will be organized with all the interested Firms expressed their interest and the detailed scope will be firmed up accordingly. The exact date and venue will be informed to the firms through their respective mails. Firms are supposed to give a PPT (not more than 10 mins) regarding their experience in the related field, capabilities, credentials and technology details.

FORMAT FOR SUBMISSION OF 'EOI'

Date:

Subject: INVITATION FOR "EXPRESSION OF INTEREST (EOI)" FOR DEVELOPMENT AND EXTRACTION OF LONGWALL PANEL NO.3 AND 4 IN NO.3 SEAM BELOW THE EXTRACTED LW PANELS OF NO.1 SEAM ADIYALA LONGWALL PROJECT MINE, APA, SCCL – Reg.

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- 1) Name of the Firm :
- 2) Permanent Address
- 3) Address for correspondence
- 4) Telephone No.
- 5) Fax No.
- 6) E-Mail
- 7) Official Website
- 8) Name of the Contact Person
- 9) Mobile No. of the Contract Person
- 10) Nature of Business of the Firm
- 11) Experience in the related field
- 12) Any other relevant information

Signature of Authorized Signatory with

Seal