The Singareni Collieries Company Limited

(A Government Company)

Registered Office:Kothagudem– 507 101

Ref. No:

INVITATION FOR "EXPRESSION OF INTEREST (EOI)" FOR DRIVAGE OF INTER SEAM UG SHAFT OF ABOUT 3.6M DIAMETER FROM No.2 SEAM TO No.3 SEAM, FOR VENTILATION PURPOSE ON OUTSOURCING MODEL WITH MECHANIZED "DROP RAISE" METHOD AT GDK No.11 INCLINE, RG-I AREA, M/s SCCL.

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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 extend 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:

Godavarikhani No.11 Incline Mine, Ramagumdam Area-1 of M/s Singareni Collieries Company Limited (SCCL) is an underground COAL mine, located in the north central part of Ramagundam area, lies between North latitude 18° 41' 41.25'' and 18° 44' 20.99'' and east longitude 79° 32' 30.84'' and 79° 35' 07.71''. The full dip of the seams is 1 in 8 to 1 in 10 in the direction of N 60° E. It is covered by Survey of India Topo Sheet No. 56N/5 & 56N/6 and 56N/9 & 56N/10. The nearest railway station is Ramagundam on Kazipet – Ballarsha railway line, which is about 20 km away from the mine. Peddapalli the district head quarter is about 30 km away from the mine.

Godavarikhani No.11 Incline Mine was opened on 15.02.1979 and coal production started on 25.09.1985. Godavarikhani No.11 Incline Mine is having common mine boundary with Ramagundam Opencast-III Mine on its South & South-East and Godavarikhani Coal Mine (No.2&2A and No.5) on its North-West.

GENERAL:

Godavarikhani No.11 Incline is one of the mechanized underground coal 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 i.e. No.1Seam, No.2Seam, No.3Seam and No.4Seam in the mine, in descending order. The total extractable reserves in the mine are 52.973 Million Tonnes (MT) and the balance extractable reserves are 31.772 MT. The rated production from the mine is 0.85 MT per annum and the balance life of the mine is about 37 years. The mine is accessed by three inclines, i.e. Main Incline dip, Manway dip and Third entry for transportation of men, coal, material and ventilation for intakes. The mine also has one 6.0m diameter intake air shaft up to No.1seam to a depth of 80m from surface and another 6.0m diameter return air shaft up to No.3seam to a depth of 190m from surface. Presently, all the mine workings are concentrated in No. 1 seam, No.2Seam and No.3Seam.

PRESENT WORKINGS:

Presently the mine is working with 2 Company owned CM (Continuous Miner) units under 2 separate O&M contracts i.e. one in No.1Seam & another in No.3 Seam North and 5 LHD units in No.3 Seam south development. One stowing district with 3 LHDs is under preparation. It is planned to deploy one more CM unit on Hiring model i.e. 3rd CM unit in No.3Seam south virgin patch, with a life of about 7 years.

VENTILATION REQUIREMENT:

At present the ventilation quantity being supplied to No.3 & No.4 Seam of GDK No.11 Incline cannot cope up the requirement if another CM unit is deployed at GDK No.11 Incline.

Hence, a ventilation study of GDK No.11 Incline mine was carried out by O/o GM (R&D) Corporate and it was advised to re-organize ventilation at GDK No.11 Incline, so as to increase total quantity of ventilation, so as to meet the requirement of ventilation for 3rd CM package in addition to existing workings.

A per the study report, it is planned for drivage of an inter seam UG shaft of about 3.6m diameter as intake from No.2seam to No.3 seam below F-8 fault for ventilation purpose on outsourcing model with mechanized "Drop raise" method.

3. BRIEF SCOPE OF WORK FOR THE ABOVE SUBJECT:

The basic details of UG shaft are as follows:

Location	:	From No.2 Seam to No.3 Seam
Parting	:	65m
Strata	:	Sand stone
Dimension	:	Circular 3.5 to 4.0m diameter or Square / Rectangular cross-section With not less than 11.14m^2
Time	:	About 6 months.
Method	:	Mechanized Drop Raise method.
Muck Removal:		Shall be to SCCL scope with LHD, accommodating in lower seam (No.3 Seam). Further if any initial 5 to 10 m drilling & blasting is needed, SCCL shall do.

Proposed Scope of Firm:

a) Drivage of the shaft from No.2Seam to No.3seam by "Drop Raise Method" and its preparatory works that may be needed for deploying the machinery are under the scope of Firm. However, material transport upto the nearest haulage track, roof and sides support at/along the site shall be done by SCCL.

b) Any work required for drilling, charging, stemming and other associated works are under the scope of work.

c) During blasting, it shall be the responsibility of the Firm to ensure proper clearance of men and machinery within blasting zone of the shaft at both seams i.e. top & bottom of the shaft in coordination with SCCL statutory supervisors.

d) Any explosive needed for the work, if it differs from the explosive available at mine (detonators, cables, detonating fuse, stemming material etc ;) shall be to the scope of the firm.

e) Daily report of the work done shall be recorded in a bounded paged book kept for the purpose and the same shall be appraised to the concerned SCCL officer.

f) Stability of the strata shall be ensured by the firm.

Proposed Scope of SCCL:

i. The muck obtained during shaft drivage will be handled by SCCL with the help of Remote controlled LHD.

ii. Statutory supervision shall be provided by SCCL.

iii. Communication facility i.e. intercom phones will be provided at both ends of the shaft i.e. top and bottom of the shaft in both seams.

Details of seams:

Nature of roof of No.2 & No.3 Seams

II Seam	:	Sand stone
III Seam Top section	:	Sand stone
III Seam Bottom section	:	Coal

(Detailed PMP data of the strata is also indicated in the EOI, at the end).

RMR of the roof strata in No.2 & No.3 seams are follows:

SEAM	RMR
2 Seam	41.00
3 Seam	50.40

Mode of transport of Men & Machinery:

At GDK No.11 Incline, 2 Nos of chair car systems are available for the transportation of men. One chair car system from surface to 31L of No.2 Seam and another chair car system from 32L of No.2 Seam to 25L of No.3 Seam along 35 tunnel. The proposed site of location in No.2 Seam (top location of the shaft) is at a distance of about 200m – 300m from surface man riding chair car landing station and the No.3 Seam (bottom location of the shaft) is at a distance of about 800m from 35L Tunnel man riding chair car landing station.

Depending upon the ventilation constraints available in the mine, the exact proposed site of shaft location may vary, but the max depth of the inter-seam shaft i.e. parting remains same i.e. about 60-65m.

Power supply:

The Mine is being supplied by 11kV system, and operating at 3.3 kV. Supply of electric power up to transwitches, required for the entire operations shall be to the scope of SCCL. Power shall be provided on non-chargeable basis.

Supply of Ventilation:

SCCL shall provide adequate air quantity at the site of location as per the standards of ventilation under CMR 2017.

The monitoring of environment & air quality at site of shaft location shall be to the scope of the SCCL.

Clean water supply:

Clean water shall be supplied by SCCL up to site of the location for the purpose of heavy drilling machines used in the drop raise method, for water spraying and for dust suppression. 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.

Mine site office:

Unfurnished office accommodation to the firm at the mine site shall be arranged by SCCL.

General Terms and Conditions:

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

Note: The above details are given only to familiarize the Contractor with the subject work. If it is not mentioned in the list also, the Contractor is solely responsible for the all the equipments, men & material etc required for drivage of Inter Seam UG Shaft from No.2 Seam to No.3 Seam with mechanized "Drop Raise" method.

Interested bidders may respond and submit their Expression Of Interest (EOI), in the Format furnished as attachment (ANNEXURE) **on or before 31.07.2025** at the following address and may also contact at the following address for further details:

General Manager, Ramagundam-1 Area
The Singareni Collieries Company Limited,
Web site: www.scclmines.com, gm_rg1@scclmines.com

agt_gdk6b_rg1@ scclmines.com

NOTE: A Vendor meet will be organized with all the interested Firms to present their opinions at the earliest and the detailed scope will be firmed up accordingly. The exact date and venue will be informed to the firms through their respective mails, who had expressed their willingness (EOI), with required data as per the format enclosed. Firms may give a PPT (not more than 10 minutes) regarding their experience in the proposed work, capabilities, credentials and technology details, proposed machinery, proposed method of work, proposed scope of work of SCCL and that of the contractor for proper execution of the work, including time lines.

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BORE HOLE NO.917 showing PMP data from 2Seam Roof to 3Seam Floor

Sl. No	Depth		Thickness	Core Re-covery	STRATA	Density	Tensile stregth	Compressive stregth	Young's modulus	Shear stregth	Impact strength	Protodya-knov strength	Slake durability	Slake durability	grain density	point load index		Seam
	From	To														dia	axial	
	m	m	m			gm/c.c	Kg/cm^2	Kg/cm^2	x 10^5 Kg/cm^2	Kg/cm^2	index no.	index no.	Id$_1$	Id2	gm/c.c			
1	208.40	210.30	1.90	1.90	COAL	1.80	-------	-------	-------	-------	-------	2.25						II
2	210.60	211.00	0.40	0.40	SHALE	1.75	-------	-------	-------	-------	-------	2.86						
3	211.60	211.79	0.19	0.19	SSFG	2.60	34.49	375	0.81	82.41	52.31	1.64			2.80			
4	212.46	212.99	0.53	0.21	SSMG	2.42	23.70	236	0.54	54.19	49.83	0.97			2.67			
5	212.99	214.70	1.71	0.53	SSFTMG	2.27	12.76	209	0.49	37.42	49.35	0.84			2.57	14.68	24.30	
6	214.70	216.88	2.18	1.71	SSMTCG	2.26	10.19	125	0.33	25.86	47.85	0.44			2.30	10.91	13.90	
7	217.50	217.80	0.30	0.29	SSCG	2.04	9.98	100	0.29	22.89	47.40	0.33			2.29			
8	217.80	218.94	1.14	1.10	SSCG	2.08	5.33	94	0.27	16.22	47.30	0.30	47	36	2.25	11.45		
9	219.30	219.95	0.65	0.63	SSMG	2.26	16.71	176	0.43	39.30	48.76	0.68	86	79	2.57	14.09	15.10	
10	220.20	220.50	0.30	0.27	SANDYSH	2.41	24.31	248	0.57	56.27	50.04	1.02			2.45			
11	220.50	220.90	0.40	0.37	SSFG	2.33	21.39	252	0.57	53.20	50.12	1.04			2.50			
12	220.90	222.55	1.65	1.65	SSMTCG	2.25	9.23	140	0.36	26.05	48.12	0.51	73	61	2.32	13.46		
13	222.55	223.10	0.55	0.52	COAL	1.86	-------	-------	-------	-------	-------	2.00						IIIB
14	223.80	224.00	0.20	0.19	SSFG	2.33	-------	302	0.67	-------	51.01	1.28			2.50			
15	224.00	224.65	0.65	0.65	SSFTMG	2.33	12.28	225	0.52	38.09	49.63	0.91			2.35			
16	224.65	227.00	2.35	2.35		2.24	9.89	114	0.31	24.33	47.65	0.39			2.40	14.49	18.96	
17	227.48	228.16	0.68	0.68	SSFG	2.25	7.67	134	0.35	23.23	48.01	0.48			2.29	15.10	18.83	
18	228.36	228.54	0.18	0.18	SSFG	2.45	22.31	243	0.56	53.35	49.96	1.00			2.49			
19	228.74	228.90	0.16	0.16	SSVCG	2.41	19.95	283	0.63	54.45	50.67	1.19			2.49			
20	229.82	230.00	0.18	0.18	SSFG	2.42	16.16	270	0.61	47.87	50.44	1.13			2.59			

21	230.00	231.20	1.20	1.16	SSMG	2.31	14.66	162	0.40	35.31	48.51	0.61			2.39	4.78		
22	231.20	233.00	1.80	1.80	SSFTMG	2.31	15.28	159	0.40	35.72	48.46	0.60			2.57	4.84	21.54	
23	233.00	236.00	3.00	3.00	SSMTCG	2.29	11.15	119	0.32	26.40	47.74	0.41	55	39	2.30	31.22		
24	239.00	241.53	2.53	2.53	SSMTCG	2.26	10.97	124	0.33	26.73	47.83	0.44	58	43	2.23	22.65	22.99	
25	241.64	242.00	0.36	0.36	SSVCG	2.34	22.06	217	0.51	50.14	49.49	0.87			2.42			
26	242.00	242.48	0.48	0.47	SSFTMG	2.35	-------	150	0.38	-------	48.30	0.56			2.40			
27	243.55	244.45	0.90	0.87	COAL	1.50	-------	-------	-------	-------	-------	2.50						**IIIA**
28	245.00	245.40	0.40	0.35	SSFG	2.37	20.29	212	0.50	47.53	49.40	0.85			2.50			
29	245.40	248.00	2.60	2.55	SSFTMG	2.3	18.07	131	0.34	35.26	47.96	0.47			2.57	23.97	23.40	
30	248.20	248.74	0.54	0.54	SSMTCG	2.32	15.81	166	0.41	37.12	48.58	0.63			2.50			
31	248.74	249.66	0.92	0.92	SSFTMG	2.7	67.3	670	1.37	153.87	57.57	3.09			2.73	94.66		
32	249.66	251.00	1.34	1.30	SSCG	2.38	16.87	210	0.50	43.13	49.37	0.84			2.57	18.71	22.79	
33	251.00	251.90	0.90	0.86	SSMTCG	2.28	11.1	129	0.34	27.42	47.92	0.46			2.32	16.28	11.65	
34	251.90	252.20	0.30	0.29	SSFTMG	2.23	14.83	176	0.43	37.02	48.76	0.68			2.29			
35	252.20	253.80	1.60	1.57	SSMTCG	2.16	8.75	97	0.28	21.11	47.35	0.32			2.50	17.62	15.65	
36	254.20	254.58	0.38	0.38	SSFTMG	2.32	14.84	148	0.38	33.96	48.26	0.55			2.35	15.10		
37	254.94	256.84	1.90	1.90	SSMTCG	2.27	15.32	146	0.37	34.27	48.22	0.54			2.29	19.47	24.67	
38	257.85	260.00	2.15	2.01	SSMTCG	2.29	12.5	173	0.42	33.70	48.71	0.66			2.32	24.15		
39	260.00	261.85	1.85	1.69	SSMTCG	2.3	20.91	221	0.52	49.26	49.56	0.89	92	88	2.35	17.20	17.94	
40	263.00	265.00	2.00	1.96	SSMG	2.27	16.81	192	0.46	41.17	49.05	0.75	87	80	2.32	20.83	18.31	
41	265.00	265.60	0.60	0.59	SSCG	2.33	14.06	168	0.42	35.22	48.62	0.64			2.57			
42	265.60	266.20	0.60	0.55	SSMG	2.45	-------	300	0.67	-------	50.97	1.27			2.47	18.75		
43	266.20	267.90	1.70	1.60	SSMTCG	2.38	17.9	221	0.52	45.58	49.56	0.89	90	86	2.57	20.51	17.96	
44	267.90	268.60	0.70	0.65	COAL WITH CARB SHALE BANDS	1.83	-------	-------	-------	-------	-------	2.38						**III**

45	268.60	269.70	0.90	0.85	COAL	1.6	-------	-------	-------	-------	-------	2.00						III
46	269.80	270.50	0.70	0.55	COAL WITH CALCITEVICS	1.57	-------	-------	-------	-------	-------	2.08						III
47	270.85	271.60	0.75	0.70	COAL	1.86	-------	-------	-------	-------	-------	2.04						III
48	271.60	273.20	1.60	1.60	COAL	1.8	-------	-------	-------	-------	-------	2.27						III
49	273.80	276.80	3.00	2.42	COAL WITH PYRITIC BAND	1.75	-------	-------	-------	-------	-------	1.96						III

ANNEXURE

FORMAT FOR SUBMISSION OF 'EOI'

Date:

INVITATION FOR "EXPRESSION OF INTEREST (EOI)" FOR DRIVAGE OF INTER SEAM UG SHAFT OF ABOUT 3.6M DIAMETER FROM No.2 SEAM TO No.3 SEAM, FOR VENTILATION PURPOSE ON OUTSOURCING MODEL WITH MECHANIZED "DROP RAISE" METHOD AT GDK No.11 INCLINE, RG-I AREA, M/s SCCL.

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	:
13)	Proposed Method of work and equipment to be deployed	:
14)	Proposed Scope of work of SCCL	:
15)	Proposed Scope of work of Contractor	:
16)	Time lines for execution of work	:

Signature of Authorized Signatory with Seal