APPLICATION FORM (SCHEDULE – II)

(See Sub-para 1(a) of Para 2 of The EIA Notification dt.27.1.94)

I	A		Name and address of the project proposed	*Vijay West Underground Project, Sendurgarh Coalfield, Chirimiri Area, District- Bilaspur, Chhattis Garh.*
	B		Location of the Project	
		1	Name of the Place	*Kendai*
		2	District, Tehsil	*Pasan, Bilaspur.*
		3	Latitude/Longitude	*23°13'30" & 23°15'19 N/ 82°05'55" & 82°08'09"E*
		4	Nearest Airport/Railway Station	*Pendra Road Railway station.*
	C		Site Selection	
		1	Alternate Sites examined	
		2	Reason for selecting the proposed site	*Site specific industry*
	D		Does the site conforms to stipulated land use as per local land use plans	*Yes*
II			Objectives of the project	*To meet coal demand of superior grade and supply coal to miscellaneous consumers*
	A		Land Requirement	
		1	Agricultural Land / Tenancy Land	*89.10 Ha(20.34% of the project area)t*
		2	Forest Land and Density of vegetation	*349.00 Ha(79.66% of the project area is forest)*
		3	Other (Specify)Govt. Land	*0.00*
	B	1	Land use in the catchment/ within 10 kms radius of the proposed site	*Forest –19647.09ha., Irrigated–0.00 ha., Unirrigated – 9309.32 ha., Cultivable waste – 1984.63 ha., Uncultivable – 4601.55 ha.*
		2	Topography of the proposed area indicating gradient, aspects and altitude	*Undulating. Altitude between 475.87 m to 512.66m*
		3	Erodability classification of the proposed land	*Not available*
	C		Pollution sources existing within 10 kms. radius and their impact on the quality of air, water and land	*Rani ATARI ugp UGP of SECL. Insignificant impact on environment quality*
	D		Distance of the nearest Park/ Sanctuary/ Biosphere/ Reserve/ Monuments/ heritage site/ Reserve Forest	*Arsara Reserve Forest at 2 Kms from the project.*

	E		Rehabilitation plan for quarries/ borrow areas	*No rehabilitation of families is involved. Due to acquisition of tenancy land, compensation to land losers would be provided as per the rehabilitation norms of State Govt.*
	F		Green belt plan	*Green belt on both sides of coal transportation roads and all other roads , around loading sites, sewage plants, workshop , residential colonies etc..will be provided.* *Afforestation on the subsided area @ 200 plants per Ha. would also be done.*
	G		Compensatory afforestation plan	*Not required for U/G mine*
IV			Climate and Air Quality	*Air quality within limit*
	A		Windrose at site	*Enclosed in Plate 6 of EIA*
	B		Max./ Min./ Mean annual temperature	*44 ^{o}C / 4.9 ^{o}C(IMD Pendra)*
	C		Frequency of inversion	*Not available*
	D		Frequency of cyclones/ tornadoes/ cloudburst	*Not available*
	E		Ambient air quality data	*Four seasons data in respect of SPM, RPM, SO2 & NOX, CO were generated. Enclosed in Annexure-VIII of EIA.*
	F		Nature & concentration of emission of SPM, Gas, (CO, CO2, No2, CHn etc.)	*SPM-86 mcg/cum; RPM – 22 mcg/cum; SO2 – 15 & NOx – 17 mcg/cum; CO and CH are below detectable limits.*
V			Water balance	
	A		Water balance at site	*Ground water recharge – 44.39M.cum, Discharge –5.89M.cum* *Surplus water available – 35.80 Mm^3*
	B		Lean season water availability	*5.66 to 11.60 m Below Ground Level*
	C		Source to be tapped with Competing users (River, Lake, Ground, Public Supply)	*Treated mine water*
	D		Water quality	*Conforming to Drinking Water Standard IS:10500.*
	E		Changes observed in quality and quantity of ground water in the last 15 years and present charging and	*No appreciable change in water quality. Only ground water level fluctuation up to depth of 4.34 m.*

			extraction details	
	F	1	Quantum of waste water to be released with treatment details	*From Vijay West – 2.89 M.Cum.* *Net total= After industrial & domestic use 80% to local stream / drainage,. since 20%of the same goes back into ground water system.* *i) Mine water discharge Settling tank 20% return flow to aquifer system + 80% to local stream / drainage after industrial & domestic use by the mine* *ii) Industrial use (from mine water) Oil & grease trap Sedimentation tank Local stream/ drainage* iii) *Domestic use Soak pit*
		2	Quantum of quality of water in the receiving body before and after disposal of waste	*Solid waste will not be disposed off to receiving water body. Solid waste generated initially from incline drivage and shaft sinking will be utilized for Haulage ramp, leveling and construction purposes.*
		3	Quantum of waste water to be released on land and type of land	*Finally discharged into local ground/ surface after treatment (5666 m^3/day after treatment)*
	G	1	Details of reservoir water quality with necessary Catchment Treatment Plan	*Not applicable*
		2	Command Area Development Plan	*Not applicable*
VI			Solid Wastes	*As above*
		A	Nature and quantity of solid wastes generated	
		B	Solid waste disposal method	
VII			Noise and Vibrations	
		A	Sources of noise and vibrations	*Drilling, blasting, movement of vehicle etc.*
		B	Ambient noise level	*36.0 to 46.1 dBA*
		C	Noise and Vibration control measures proposed	*Plantation barrier, orientation of noise producing sources, improved design of plant and machinery, noise absorbing pads in foundation of vibratory machine.*

		D	Subsidence problem, if any, with control measures	*The following control measures will be taken.* ***1)*** *Around the depillaring area, co-related on the surface, protective bunds and garland drains are proposed, so that no water from surface enters the subsidence area.* ***2)*** *Surface cracks will be sealed by using clay or any other suitable material.*
VIII			Power requirement indicating source of supply: Complete environmental details to be furnished separately, if captive power unit proposed	*State Electricity Board, 4320KW*
IX			Peak labour force to be employed giving details of:	*710*
			Endemic health problems in the area due to waste water/ air/ soil-borne disease	*Nil*
			Health care system existing and proposed	*All employees will be medically checked phasewise within five years.*
X	A		Number of villages and population to be displaced	***Nil***
	B		Rehabilitation master plan	*Not required*
XI			Risk Assessment Report and Disaster Management Plan	*i) Sufficient lighting and proper signaling system will be provided at all vulnerable places.* *ii) First aid station and facility have been provided to deal with any accidental event.* iii) *All the statutory safety measures will be taken as per the DGMS norms.*
XII				
	A		Environmental Impact Assessment	*EnvironmentalImpact Assessment Reports prepared as per guidelines of MOEF issued from time to time*
	B		Environmental Management Plan	*Included in EIA Report.*
	C		Detailed feasibility report	*Submitted along with EIA Report.*
	D		Duly filled questionnaire	*Enclosed in EIA Report*
XIII			Details of Environmental Cell:	*Organisation chart has been shown in Figure 15 of EIA and enclosed also.*

			I hereby give an undertaking that the data and information given above are true to the best of my knowledge and belief and I am aware that if any part of the data/ information submitted is found to be false or misleading at any stage, the project be rejected and the clearance given, if any, to the project is likely to be revoked at our risk and cost:	
				Signature of the applicant
				with name and full address
			Date:	
			Place:	
				Given under the seal of Organization on behalf of whom the applicant is signing
			Note: In respect to item for which data are not required or is not available as per the declaration of the project proponent, the project would be considered on that basis.	