

PROJECT MONITORING
(GOVERNMENT OF INDIA)

STATUS OF PRIVATE SECTOR POWER PROJECTS FOR THE MONTH ENDING APRIL, 2013.

Sr No.	Name of the Project	Estimated Cost (Rs. in Cr.)	Installed Capacity (MW)	Status of Clearances	Date of Completion	Status
1.	Goindwal Sahib Thermal Power Project (Pulverized Coal Fired)	2963.81 (Revised cost on account of Appellate Tribunal order dated 8.04.09.)	2x270MW i.e. 540 MW	<ul style="list-style-type: none"> • 1074 acres of land has been acquired. • Private Railway Siding at Khadur Sahib-DPR approval from the Northern Railways is obtained on 05.05.2011. • Railway siding from Khadur Sahib to Project Site and River Water Pipeline - Award for 37.98 acres was issued on 15.07.2011, Mutation is in progress. Site possession is to be given. • Entered into water supply agreement with Government of Punjab on 29.9.2001. ❖ -Application submitted for acquisition of land. 	2013 (Estimated)	<ul style="list-style-type: none"> • The Commission has issued its order dated 6.03.09 in the case of Petition No. 3 of 2007 and the PPA redrafted as per the orders of the Commission has been signed on 26.5.09. • M/s GVK has filed an appeal in the Appellate Tribunal against the order of PSERC dated 6.3.09 on certain issues of PPA and the appeal has been dismissed by the Tribunal vide its order dated 13.01.2011. • Present Status of Project ❖ <u>MAIN PLANT- BTG CONTRACT ON M/S. BHEL, NEW DELHI.</u> <u>BTG SCOPE:</u> <u>ACTIVITIES COMPLETED</u> Boiler Unit# I: <ul style="list-style-type: none"> • Structural erection – 3462 / 3571 MT completed. • DUCT - 999 MT/ 1070MT completed. • Total erection – 13075 / 13597 MT completed. • Non pressure parts – 1120 / 1431 MT

				<ul style="list-style-type: none"> ❖ The BTG (Boiler-Turbine-Generator) package has been awarded to M/s BHEL. The Contract has been executed on 06.02.09 and Notice to proceed has been issued on 29.09.09. ❖ BOP Package has been awarded to M/s Punj Lloyd Ltd and the Contract has been executed on 14.09.09. ❖ All the statutory clearances required for the project including P.P.C.B. and MOEF approvals/consents have been obtained. <ul style="list-style-type: none"> • Non-EPC work awarded to M/s Vertex Projects Limited. • Site Appraisal clearance is obtained. • MOEF clearance has been obtained for the project vide letter dated 9.05.08. • PPCB clearance for establishment has been obtained. 	<p>completed.</p> <p>Boiler Auxiliaries- Unit# I:</p> <ul style="list-style-type: none"> • ESP --2959 MT / 3045 MT erection completed. • FD fan- A trial run completed. • ID Fan 1B motor bump trial run completed. • ID fan – 1B motor load with hydraulic coupling trial run completed. • APH 1B trial run completed. • Ammonia dosing-1 load trial completed. <p>Turbine & Auxiliaries- Unit# I:</p> <ul style="list-style-type: none"> • Main turbine HPSU oil flushing completed. • Condenser fill test completed. • Spray insulation on ICV & ESV completed. • BFP 1C no load trial run completed. • BFP 1C motor with hydraulic coupling trail completed. • BFC 1C load trial completed. • Vacuum pump-1A no load trail completed. • Vacuum pump 1A & 1B load trial completed. • Seal oil & GSC vapour exhaust fan load trial completed. <p>Electrical and C&I:</p> <ul style="list-style-type: none"> • IPB & MV Bus duct erection completed.
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				<ul style="list-style-type: none"> • No Objection certificate from Forest Department is obtained. • Forest department clearance for Approach road has been obtained vide letter dated 23.11.2009 and the company has paid the necessary fee to issue the NOC. An affidavit has also been submitted to Forest Department as per the recently changed Government rules to release the NOC. • Obtained clearance from AAI for 275 M tall chimney. • The firm has signed the Coal Transportation Agreement with Indian Railways for Goindwal Sahib Power Project on 11.12.2008. • Coal Supply Agreement executed on 6.6.2009. • M/s TCE Consulting Engineers Ltd., Bengaluru have 	<p>Boiler Unit# II:</p> <ul style="list-style-type: none"> • Boiler total erection-- 9483 MT / 13597 MT completed. • Pressure part erection --2522 MT/ 2640 MT completed. • Boiler structural erection – 2760 MT / 3571 MT erection completed. • Ducting – 179 MT / 1066 MT completed. <p>Boiler Auxiliaries- Unit# II:</p> <ul style="list-style-type: none"> • ESP-- 2532 MT / 3045 MT completed. • Fans— 137/187 MT completed. • Piping – 207 MT / 709 MT erection completed. • APH – 531 MT / 540 MT completed. <p>Turbine & Auxiliaries- Unit# II:</p> <ul style="list-style-type: none"> • HP/IP/LP alignment completed. <p>ACTIVITIES UNDER PROGRESS:</p> <ul style="list-style-type: none"> • Boiler Unit # I: ID Fan -1B, PA Fan erection in progress. • Boiler Unit # I: PA Fan A – oil flushing is under progress. • Bowl Mill Unit# I: Final alignment is under progress. • ESP Unit # I: Pass A electrical works for charging under progress. • ESP Unit # I: Pass B collecting emitting rapping mechanism under progress. • ESP Unit # I: Pass B Hopper corner tube erection under progress. • ESP Unit # I: Pass B Transformer
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				<p>been appointed as Technical Consultants and M/s Barsyl are appointed as Technical Consultants for railway siding work. M/s Siraj and Renu, Bengaluru have been identified for the Architectural Consultancy work for plant, non-plant and colony buildings.</p>		<p>alignment under progress.</p> <ul style="list-style-type: none"> • GT-II – Accessories mounting is under progress. • PHB Unit# II: Deareator, LP heater, HP heater piping in progress. • PHB Unit# II: ACW/DMCW pumps alignment is in progress. • PHB Unit# II: BFD line fit-up and welding is in progress. • PHB Unit# II: Condensate line fit up & erection under progress. • TG-II : LP girder palm packers blue matching is under progress • TG-II: Generator Seal body assembly fit up is under progress. • TG-II: Condenser Dome stiffeners piping welding & Dome walls welding is under progress. • TG-II: Air evacuation piping fit up and welding under progress. • Boiler Unit # II: APH A & B welding & alignment in progress. • Boiler Unit # II: CRH & HRH piping work under progress. • Boiler Unit # II: Eco coils alignment under progress. • Boiler Unit # II: Refractory work under progress. • Boiler Unit # II: Light up DUs erection in progress. • Boiler Unit # II: Bowl Mills alignment under progress. • Boiler Unit # II: Flue gas ducting work
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						<p>under progress.</p> <ul style="list-style-type: none"> Boiler Unit # II: ID Fan 2A, FD Fan 2A erection in progress. Bowl Mill Unit# II: Alignment of Mill A, B & E is under progress. <p><u>BOP SCOPE:</u></p> <p><u>ACTIVITIES COMPLETED</u></p> <p>Chimney:</p> <ul style="list-style-type: none"> Unit-2 flue cans 7/7 segments erection completed. <p>Mill Bay Unit# I:</p> <ul style="list-style-type: none"> Lube oil flushing in Mill B and C completed. <p>Electrical Room:</p> <ul style="list-style-type: none"> Unit-2 switchgears OCC, OCD and 2CA Charging completed. Unit-2 battery room batteries shifting completed. <p>DM & PT PLANT:</p> <ul style="list-style-type: none"> PT plant Thickener pump bump trail completed. <p>Filter water pump house:</p> <ul style="list-style-type: none"> Diesel fire pump 1 load trial completed. DG fire hydrant -2 load trail completed. <p>IDCT</p> <ul style="list-style-type: none"> IDCT motor 13 & 14 no load trial run completed.
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					<p>CHP-Civil works:</p> <ul style="list-style-type: none">• Side Arm Charger 2 - Foundation casting completed.• Crusher House - All slabs and foundations required for mechanical jobs completed.• ER-3- Civil works completed & electrical works started. <p>CHP Fabrication & Erection Work:</p> <ul style="list-style-type: none">• BCN-4 Technological structure erection is 80% completed.• BCN-5 Technological structure erection is 80% completed.• BCN-8 Technological structure erection is 80% completed.• BCN-9 Technological structure erection is 80% completed.• Structural Fabrication - 3772 out of 3819MT fabrication completed.• Structure erection – 3489 MT completed.• Crusher House - 2 no's grizzly feeders, Crushers, BFD, interconnection chutes for 1st stream completed <p>CHP Electrical work-ER-1:</p> <ul style="list-style-type: none">• 6.6KV switch board erection completed• Battery charger erection completed• DCDB erection completed
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					<p>ASH Silo and HCSD pump house:</p> <ul style="list-style-type: none"> • Silo-2 – Ring beam construction completed. • Compressor room - all equipment erection in completed. • Ash Slurry Pump House - All HP/LP, Ash slurry pumps erection completed. • Ash Slurry Disposal Line - 106/493 pedestals completed. <p>ASH Dyke:</p> <ul style="list-style-type: none"> • Excavation, Bund filling, LDPE lining, Brick lining completed. • Guard pond RCC lining 70% completed. <p>ACTIVITIES UNDER PROGRESS</p> <p>Main Plant</p> <p>Transformer Yard:</p> <ul style="list-style-type: none"> • GT-2 accessories mounting are under progress. • Transformer yard area paving is under progress. <p>Mill Bay Unit #I:</p> <ul style="list-style-type: none"> • Roof Structural work welding is under progress. • Tipper erection (CHP Scope) works is under progress. • Mill-D lube oil flushing is under progress. <p>Mill Bay Unit #II:</p> <ul style="list-style-type: none"> • Roof structural work welding is in progress.
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					<ul style="list-style-type: none"> • Tipper erection (CHP Scope) works is in progress. • 5/5 bunker Silo welding is in progress. <p>Balance of Plant</p> <p>DM & PT PLANT:</p> <ul style="list-style-type: none"> • DM Building – DM Plant works for auto commissioning is in progress. • Dual Media Gravity Filter - Civil & Mechanical works is in progress. • Chemical House – civil works & Mechanical equipment erection is in progress. <p>CHP:</p> <ul style="list-style-type: none"> • ER-II-Civil works like brickwork, transformer foundation, and duct bank pulpits is in progress. • Crusher House – alignment of crusher, drives of GF is in progress. • Roadside storm drain work is in progress. • BCN-1/2/3 – Technological/Mechanical structure erection is under progress. • BCN-10 - further technological and tipper work is in progress. • JNT-1 - civil works for slab casting at different floors is in progress. • JNT-1/2/3 - Slab casting works at different elevation of junction towers is in progress. • Stack Reclaimer – Carpet coal laying is under progress.
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						<ul style="list-style-type: none"> • Stacker Reclaimer – Electrical room civil works is in progress. • Counter weight pre casting of concrete blocks is under progress. <p>Ash Silo & HCSD Pump House:</p> <ul style="list-style-type: none"> • Silo-1 - Further work for slip form erection and shell construction is in progress. • Silo-2 – Further roof structure erection is under progress. • MCC room with HT panels frame construction, electrical works is under progress. • Ash handling pipe rack - further ash piping work is under progress. <p>Cooling water pump house:</p> <ul style="list-style-type: none"> • CW chlorination room civil works is under progress. <p>❖ <u>NON PLANT INFRASTRUCTURE AND FACILITIES BY GVK:</u></p> <p>NON-EPC:</p> <ul style="list-style-type: none"> • Ash pond construction is in progress • Residential Colony work is in progress • Green belt development is in progress • Service building construction is in progress. • Admin Building construction is in progress. • Stores construction is in progress. • Railway siding construction is in
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						<p>progress.</p> <p>❖ <u>MANPOWER AND EQUIPMENT AT SITE:</u></p> <ul style="list-style-type: none"> • There are no incidents to report during the month. <p><u>AREA OF CONCERN:</u></p> <ul style="list-style-type: none"> • Construction Power Supply Tariff is being charged under "Temporary power • Supply category" – A costly inconvenience - Request PSPCL to re-consider. • Due to change in law, Entry tax is being imposed on the project material at Punjab border. Due to this there will be an increase in project cost by about 10%. • Soil improvement through vibro compaction is increasing the project cost and time. • Excess length of pile than envisaged is increasing the project cost and time. • Increase in soil filling quantity due to heavy settlement during vibro compaction. • Increase in cost of railway siding as approved by Northern Railways in ESPs, it results in increase in professional cost & time. • Delay in material supply from BHEL had affected BTG works progress
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						<p>adversely in Unit#1 &2.</p> <ul style="list-style-type: none"> • Railway corridor was finally given possession on 9-2-2013 and it results in delaying the railway siding work and in turn it delays the project commissioning. • Approval from railways taking much longer time and is affecting the railway siding work that results in delay. • Additional payment towards BOCW is being remitted due to change in law which results in increasing the project cost. <p><u>Financial Closure & Commissioning:</u></p> <ul style="list-style-type: none"> ❖ The financing documents were executed by the firm on 1st February, 2010. 'Conditions Precedent' of financing documents have been complied with for Initial Draw Down and the firm has confirmed that financial closure has been achieved on 21.05.2010. IDBI is the Lead Lender. ❖ Erection of Transmission Lines and Substation bays for Evacuation of Power <ol style="list-style-type: none"> 1. 220 KV Goindwal Sahib-Chola Sahib DC line Work under progress. 2. 220 KV Goindwal Sahib-Sultlanpur DC line
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						<p>The work has been completed and line has been charged.</p> <p>2. 220 KV Goindwal Sahib-Bottianwala DC line</p> <p>Work under progress.</p>
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PROJECT MONITORING**(GOVERNMENT OF INDIA)
PROJECT OVERVIEW****STATUS ENDING APRIL, 2013**

Project Title	:	2x270MW Goindwal Sahib TPS (Capacity revised as per amended petition filed with PSERC by the firm)	Department	:	Punjab State Power Corporation Ltd.
Objectives	:	To create additional Generating Capacity in the State of Punjab	Officers concerned	:	Dy. C.E./Projects, Punjab State Power Corporation Ltd., Patiala
Category	:	IPP Project	Other Agencies	:	Department of Power (Energy Branch), Govt. of Punjab
Start Date	:	Amended and Restated PPA signed on 26.05.2009	Estimated cost	:	Rs. 2963.81 CR. (revised after Appellate Tribunal order dated 8.04.09) (the cost estimated by the firm for revised capacity of 2x270 MW).
Target Date	:	36/42 months from the date of financial closure	Status	:	<ul style="list-style-type: none"> The amended & restated PPA has been signed on 26.5.09 as per the order of the Commission dated 06.03.09. M/s GVK has filed an appeal in the Appellate Tribunal against the order of PSERC dated 6.3.09 on certain issues of PPA and the appeal has been dismissed by the Tribunal vide its order dated 13.01.2011.
Finish Date	:	N.A.		:	
Notes	:	Govt. of Punjab has awarded the Project to GVK Industries Ltd. Hyderabad.		:	

Activity	Start	Target	Finish	Dept.	Officer concerned	Other Agencies	Linked to GOI	GOI Agency	Status	Notes
Financial Closing	From the date of signing of Amended and Restated PPA by the parties.	Within 12 months from the date of signing of Amended and Restated PPA .	Up to 26.05.2010			GVK, Lender's consortium led by IDBI	No		❖ The financing documents were executed on 1 st February, 2010. ❖ 'Conditions Precedent' of financing documents has been achieved on 21.05.2010. ❖ Financial Closure achieved on 21.05.2010. ❖ IDBI is the Lead Lender.	

Funds Details

Sanctioning Agency	Sanctioned Amount (Rs. in Crore)	Total Amount Released (Rs. in Crore)	Exp. Released (CFY) (Rs. in Crore)	Actual Released (CFY)	Due Fund	Remarks
To be arranged by the IPP						

Issues

Issue	Department	Officer Concerned	Other Agencies	Linked to GOI	GOI Agency	Status	Notes
Coal Supply	-	-	GVK	-	-	<p>A. TOKISUD NORTH BLOCK:</p> <ul style="list-style-type: none"> • TOKISUD NORTH COAL FIELD ALLOTTED AS A CAPTIVE COAL MINE AND THE DEVELOPMENTAL ACTIVITIES ARE UNDER PROGRESS. • SANCTION OF MINING PLAN: SANCTIONED VIDE MOC LETTER NO. 13016/25/2005-CA-I DATED 05.04.2006. • LAND ACQUISITION: ACQUIRED 452 ACRES (NON-FOREST LAND) OUT OF 480 ACRES (94%) DIRECTLY FROM THE OWNERS. MINING OPERATIONS CAN BEGIN WITH THE LAND ACQUIRED SO FAR. THE BALANCE LAND IS BEING ACQUIRED THROUGH LA ACT AND AN APPLICATION WAS FILED IN THIS REGARD IN THE FIRST WEEK OF FEBRUARY '2012. THE COMPANY HAS REMITTED AN AMOUNT OF RS. 2.46 CRORES AS DEMANDED BY THE STATE GOVERNMENT FOR TRANSFER/LEASE OF 40 ACRES OF GOVERNMENT LAND. SECRETARY (REVENUE) AND MINISTER (REVENUE) HAVE APPROVED THE PROPOSAL. IT IS NOW BY THE MINISTER/FINANCE AND IS BEING SENT TO CABINET. • FOREST CLEARANCE: THE 	GVK is to source coal from captive mine block allocated by MOC for the project.

						<p>COMPANY HAS OBTAINED STAGE-II CLEARANCE FROM MOEF VIDE LETTER NO. F.NO. 8-26/2009-FC DATED 28.12.2011 FOR DIVERSION OF 926 ACRES FOREST LAND.</p> <ul style="list-style-type: none"> • THE COMPANY IS IN THE PROCESS OF TRANSFER AND MUTATION OF THE COMPENSATORY AFFORESTATION LAND IN FAVOUR OF GOVERNMENT OF JHARKAND. HOWEVER, THE COMPANY HAD SUBMITTED A PROPOSAL FOR DIVERSION OF 410 ACRES OF FOREST LAND IN PHASE-I TO COMMENCE MINING OPERATIONS, THE COMPANY HAS MUTATED SO FAR 760 ACRES OF FOREST DEPARTMENT, JHARKHARD. THE GOVERNMENT HAS SOUGHT THE APPROVAL MoEF IN THIS REGARD. • MINING LEASE: GOVERNMENT OF JHARKHAND (GOJ) HAD ISSUED THE SANCTION ORDER VIDE NO. CO/HAZAR-25/2007/M/RANCHI DATED 17.01.2009. EXECUTED MINING LEASE WITH GOVT. OF JHARKHAND ON 05.08.2010. • ENVIRONMENT CLEARANCE: MOEF HAD GRANTED ENVIRONMENTAL CLEARANCE VIDE LETTER NO. J-11015/430/2006-IA.II (M) DATED 24.09.2008. • REHABILITATION AND RESETTLEMENT: R & R PROPOSAL WAS APPROVED BY DEPUTY COMMISSIONER VIDE MEETING HELD ON 07.05.2010. COMPLETED
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						<p>SURVEY FOR ELIGIBLE PROJECT AFFECTED FAMILIES FOR HOUSES IN R & R COLONY. COMPANY HAS ISSUED LETTER OF INTENT (LOI) TO M/S SANJAY CONSTRUCTION BOKARO, RANCHI FOR CONSTRUCTION OF R&R COLONY PHASE-1 FOR AN AMOUNT OF RS. 5,92,17,578/-</p> <ul style="list-style-type: none"> • BRIDGE ON RIVER DAMODAR FOR TRANSPORT OF COAL ETC. THE COMPANY PROPOSES TO CONSTRUCT A BRIDGE ON DAMODAR RIVER TO ACCESS THE COAL BLOCK FROM TOKISUD SITE AND HAS AWARDED THE WORK TO M/S NARAYAN CONSTRUCTIONS ON 10.01.2009. NOTICE TO PROCEED (NTP) WAS ISSUED ON 16.08.2010 AND FOUNDATION FROM P1 TO P11 PIERS COMPLETED AND ABUTMENT 1 COMPLETED AND ABUTMENT 2 IN PROGRESS. • RAILWAY SIDING: CONSTRUCTION OF RAILWAY SIDING IS IN FULL SWING. • TOPOGRAPHICAL SURVEY AND BOUNDARY FIXING OF MINING LEASE AREA: 50% OF THE WORK IS COMPLETED WITH THE CO-OPERATION OF DEPARTMENT OF FORESTS. • THE PROCESS FOR SELECTION OF MDO IS COMPLETED. THE COMPANY HAS OPTED TO UNDERTAKE THE WORK ON ITS
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					<p>OWN AS PER THE PROVISION OF APTEL ORDER DATED 13.01.2011.</p> <p>B. SEREGARHA COAL BLOCK:</p> <ul style="list-style-type: none"> • SEREGARHA COAL BLOCK IN JHARKHAND WAS ALLOCATED TO M/S ARCELOR MITTAL INDIA LIMITED AND GVK POWER (GOINDWAL SAHIB) LIMITED VIDE MINISTRY'S LETTER NO. 38011/2007-CA-I DATED 09.01.2008. • JOINT VENTURE AGREEMENT: JV COMPANY BETWEEN GVK POWER (GOINDWAL SAHIB) AND ARCELORMITTAL INDIA LIMITED UNDER THE NAME "SEREGARHA MINES LIMITED" WAS INCORPORATED ON 18.03.2009. • EXPLORATION PLAN: EXPLORATION PLAN WAS PREPARED BY CMPDIL VIDE ITS LETTER NO. CMPDI/BD/C(731)/369 DATED 06.07.2009. • BANK GUARANTEE: THE SEREGARHA MINES LIMITED (JV) HAD SUBMITTED BANK GUARANTEE ON 08.04.2008 FOR RS. 32.40 CRORES TO MOC AS REQUIRED BY THE SANCTION LETTER, ITEM NO. 2(IX). THE BANK GUARANTEE WAS FURTHER RENEWED UP TO 07.04.2012. • GRANT OF PROSPECTING LICENSE: GOVT. OF JHARKHAND GRANTED PROSPECTING LICENSE VIDE
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						<p>LETTER NO. 1684 DATED 20.09.2010. THE COMPANY HAD CONCLUDED THE PROSPECTING LICENSE WITH THE GOVERNMENT ON 03.03.2011.</p> <ul style="list-style-type: none"> • FAC HAS CLEARED THE PROPOSAL VIDE ITS MEETING HELD ON 31.05.2011. MOEF HAS ACCORDED ITS PERMISSION VIDE LETTER F.NO. 8-20/2011-FC DATED 04.07.2011. • TOPOGRAPHICAL SURVEY: TOPOGRAPHICAL SURVEY IS COMPLETED. • EXPLORATION: THE EXPLORATION AGENCY M/s NARESH KUMAR & CO., HAS COMPLETED THE DRILLING PROCESS. • TRANSFER OF LAND FROM CCL: RS. 112 LAC PAID TO CENTRAL COALFIELDS LIMITED AS NOTIONAL EXPENDITURE FOR TRANSFER OF LAND ACQUIRED UNDER CB ACT, ON 02.07.2009. CCL HAS APPROVED TO SURRENDER OF ITS MINERAL RIGHTS IN FAVOR OF JV COMPANY i.e. SEREGARHA MINES LIMITED. THE PROCESS FOR TRANSFER IS IN PROGRESS. • GEOLOGICAL REPORT WAS SUBMITTED TO CMPDIL ON 04.06.2012. • MINE PLANT IS UNDER PREPARATION.
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Coal Transportation Agreement	-	-	GVK	Yes	Indian Railways /Railways Board	The firm has signed the Coal Transportation Agreement with Indian Railways for Goindwal Sahib Power Project on 11.12.2008.	
Secondary Fuel Supply & Transportation Agreement	IOCL	Chief Divisional Manager, IOCL, Chandigarh	GVK	-	-	GVK shall make the arrangements and sign required agreement for supply of secondary fuel.	
Escrow Agreement	PSEB	CCF	IDBI, Board's Banker	No	-	The Escrow Agreement in the format as agreed between the PSEB, PSEBs Bankers State Bank of Patiala and M/s GVK has been signed by the three parties on 4.6.09.	