

MINISTRY OF POWER
PROJECT MONITORING SYSTEM

STATUS ENDING JANUARY, 2013

PROJECT NAME	GOINDWAL SAHIB THERMAL PROJECT.
STATE/ DISTRICT	PUNJAB/TARNTARAN
CAPACITY (MW)	2X270MW
FUEL	PULVERISED COAL
DATE OF REGISTRATION OF COMPANY/REGISTERED NAME OF COMPANY	M/S GVK POWER (GOINDWAL SAHIB) LIMITED HYDERABAD
ESTIMATED COST/DATE OF ESTIMATE (IN CASE OF TEC CLEARED PROJECTS. INDICATE COST AS PER TEC)	RS. 2963.81 CR.
AWARD DATE (FOR PROJECTS UNDER ICB ROUTE)	LOI ISSUED ON 18 TH MAY, 1998 BY GOVT.OF.PUNJAB
WHETHER PPA INITIALLED/SIGNED, DATE OF THE SAME	AMENDED & RESTATED PPA SIGNED ON 26.05.09.
COST OF PROJECT.	RS. 2963.81 CR. (REVISED AFTER APPELLATE TRIBUNAL ORDER DATED 8.04.09) ESTIMATED BY THE CO.
DEBT	80%-I.E. RS. 2371.048 CR.
EQUITY	20% - RS. 592.762 CR.
TOTAL	100% -RS. 2963.81 CR.
ACTUAL EXPENDITURE ON PROJECT	ACTUAL EXPENDITURE INCURRED TILL DATE:
DEBT	A) LAND : 167.75 CRORES
EQUITY	B) BTG, BOP, NON-EPC, PREPARATIVE EXPENSES, FINANCE CHARGES, (INCLUDING IDC)
TOTAL	TOTAL AMOUNTS SPEND SO FAR UP TO - Rs. 2602.00 CRORE (TILL DECEMBER 2012).
FDI INFLOW	NOT KNOWN.
SANCTIONS.	
ACTUAL SO FAR.	
COST PER MW	RS. 5,489 CR. (BASED ON CAPITAL COST APPROVED BY THE APPELLATE TRIBUNAL)
INDICATED TARIFF	RS. 2.94 PER KWH (TENTATIVE FOP. 1ST YEAR)

1ST.YEAR LEVELLISED.	LEVELLISED TARIFF- RS. 2.63 (ESTIMATED)
STATUS OF CEA CLEARANCE	NOT REQUIRED AS CONVEYED BY GOVT. OF PUNJAB VIDE ITS MEMO NO. 10/72/95-IP(3)/2086 DATED 31.1.2001.
LIKELY DT. OF FINANCIAL CLOSURE.	❖ THE FIRM HAS CONFIRMED THAT FINANCIAL CLOSURE HAS BEEN ACHIEVED ON 21.05.2010. IDBI IS THE LEAD LENDER.
ENVIRONMENT CLEARANCE	NOC FROM MINISTRY OF ENVIRONMENT & FORESTS, GOVT.OF INDIA OBTAINED BY THE CO. ON 23.9.1999. DUE TO DELAY IN PROJECT FRESH ENVIRONMENTAL CLEARANCE HAS BEEN OBTAINED FOR THE PROJECT ON 09.05.2008.
LAND AVAILABILITY	<ul style="list-style-type: none"> ❖ 1074.615 ACRES OF LAND HAS BEEN ACQUIRED. ❖ RAILWAY SIDING FROM KHADUR SAHIB TO SITE (37.03 ACRES), RIVER WATER PIPELINE CORRIDOR (1.40) ACRES. ❖ AWARD FOR 37.98 ACRES WAS ISSUED ON 15.07.2011, MUTATION IS IN PROGRESS. SITE POSSESSION IS YET TO BE GIVEN.
OTHER REQUIRED CLEARANCES	<ul style="list-style-type: none"> • NOC FROM PUNJAB POLLUTION CONTROL BOARD OBTAINED BY THE CO. VIDE LETTERS DATED 30.4.1999 & 31.5.1999. ENVIRONMENTAL CLEARANCE FROM MOEF HAS BEEN OBTAINED FOR THE PROJECT VIDE LETTER DATED 9.5.08. • UNDER SECTION 29 OF ELECTRICITY SUPPLY ACT 1948. THE SCHEME WAS PUBLISHED IN THE STATE GAZETTE ON 19.2.1999. • UNDER SECTION 18(A) OF THE ELECTRICITY SUPPLY ACT, 1948, ORDER OBTAINED FROM GOVT. OF PUNJAB TO ESTABLISH, OPERATE & MAINTAIN THE SCHEME. FRESH PPCB CLEARANCE FOR ESTABLISHMENT HAS BEEN OBTAINED. • NOC OBTAINED BY THE CO. FROM NATIONAL AIRPORTS AUTHORITY OF INDIA VIDE LETTER DATED 21.10.1999. CLEARANCE FROM AAI FOR 275 M TALL CHIMNEY HAS BEEN OBTAINED. • NOC OBTAINED BY THE CO. FROM THE CHIEF OF STAFF, WESTERN COMMAND, CHANDIMANDIR VIDE LETTER DT. 31.8.1998. • NO OBJECTION CERTIFICATE FROM FOREST DEPARTMENT IS OBTAINED. • SITE APPRAISAL CLEARANCE 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 ISSUED THE NOC. AN AFFIDAVIT HAS ALSO BEEN SUBMITTED TO FOREST

	<p>DEPARTMENT AS PER THE RECENTLY CHANGED GOVERNMENT RULES TO RELEASE THE NOC.</p> <ul style="list-style-type: none"> • PUNJAB STATE GOVERNMENT GUARANTEE FOR THE PROJECT HAS BEEN SIGNED ON 29.3.2001. • THE COMPANY HAS ENTERED INTO WATER SUPPLY AGREEMENT WITH IRRIGATION DEPARTMENT, GOVERNMENT OF PUNJAB FOR SUPPLY OF 20 CUSECS OF WATER ON 29TH MARCH, 2001. REVISED AGREEMENT SIGNED ON 07.04.2010. • ORDERS FOR MAIN PLANT EQUIPMENT (BTG PACKAGE) PLACED ON M/S BHEL ALONGWITH 10% ADVANCE PAYMENT AMOUNTING TO RS.103 CRORE. NOTICE TO PROCEED HAS ALSO BEEN ISSUED ON 29.09.09. ENGINEERING WORK FOR THE SAME IS IN PROGRESS. BOP PACKAGE HAS BEEN EXECUTED WITH M/S PUNJ LLOYD LTD.ON 14.09.09 AND ADVANCE OF RS.5 CRORE HAS BEEN PAID. ENGINEERING WORK FOR BALANCE OF PLANT IS ALSO IN PROGRESS. • NON EPC WORK AWARDED TO M/S VERTEX PROJECTS LTD. • COAL SUPPLY AGREEMENT EXECUTED ON 6.6.2009. • M/S TCE CONSULTING ENGINEERS LTD., BENGALURU HAVE 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 CONSULTACY WORK FOR PLANT, NON-PLANT AND COLONY BUILDINGS.
FUEL LINKAGE	<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. 2.16 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 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.
- THE COMPANY IS IN THE PROCESS OF TRANSFER AND MUTATION OF THE COMPENSATORY AFFORESTATION LAND IN FAVOUR OF GOVERNMENT OF JHARKHAND. HOWEVER, THE COMPANY HAD SUBMITTED A PROPOSAL FOR DIVERSION OF 410 ACRES OF FOREST LAND IN PHASE-I TO COMMENTS MINING OPERATIONS AND IT IS NOW WITH PCCF, RANCHI. THE APPROVAL IS EXPECTED BY DECEMBER'2012.
- 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-11015/430/2006-1A.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 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/-
- 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 OWN AS PER THE PROVISION OF APTEL ORDER DATED 13.01.2011.

B. SEREGARHA COAL BLOCK:

- SEREGARHA COAL BLOCK IN JHARKHAND WAS ALLOCATED TO M/S ARCELOR MITTAL INDIA LIMITED AND GVK POWER (GOINDWAL SAHIB) LIMITED VIDE

	<p>MINISTRY'S LETTER NO. 38011/2007-CA-1 DATED 09.01.2008.</p> <ul style="list-style-type: none"> • JOINT VENTURE AGREEMENT: JV COMPANY BETWEEN GVK POWER (GOINDWAL SAHIB) AND ARCH ORMITAL INDIA LIMITED UNDER THE NAME "SEREGARIA 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 SEREGARIA 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 LETTER NO. 1684 DATED 20.09.2010. THE COMPANY HAD CONCLUDED THE PROSPECTING LICENSE WITH THE GOVERNMENT ON 03.03.2011. • 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. SEREGARIA MINES LIMITED. THE PROCESS FOR TRANSFER IS IN PROGRESS. • GEOLOGICAL REPORT WAS SUBMITTED TO CMPDIL ON 04.06.2012. • MINE PLANT IS UNDER PREPARATION.
DATE/PRESENT STATUS OF SIGNING OF FUEL SUPPLY AGREEMENT	GVK INDUSTRIES LIMITED HAS PROMOTED A SPECIAL PURPOSE COMPANY TO DEVELOP THE PRIVATE COAL MINE BLOCK WHICH HAS EXECUTED THE FUEL SUPPLY AGREEMENT WITH GVK POWER GOINDWAL SAHIB LIMITED ON 06.06.2009.
DATE/PRESENT STATUS OF SIGNING OF FUEL TRANSPORTATION AGREEMENT	M/S GVK HAS SIGNED THE COAL TRANSPORTATION AGREEMENT WITH INDIAN RAILWAYS FOR GOINDWAL SAHIB POWER PROJECT ON 11.12.2008.
NAME OF PROMOTERS WITH THE COUNTRY OF ORIGIN, THEIR EQUITY PARTICIPATION	M/S GVK INDUSTRIES LTD. HAS FORMED A COMPANY M/S GVK POWER (GOINDWAL SAHIB) LIMITED TO EXECUTE THE PROJECT.
FINANCING PACKAGE PLAN	DEBT TO EQUITY OF 80: 20

EQUITY (IN MILLION)	
DEBT (IN MILLION) DETAILS OF ESCROW FACILITY	THE ESCROW AGREEMENT IN THE FORMAT AS AGREED BETWEEN THE PSEB, PSFBs BANKERS STATE BANK OF PATALA AND M/S GVK HAS BEEN SIGNED BY THE THREE PARTIES ON 4.6.09.
LEAD INDIAN FINANCIAL INSTITUTION; POWER EVACUATION FACILITY	<p>INDUSTRIAL DEVELOPMENT BANK OF INDIA (IDBI)</p> <p>TO BE COMPLETED BY PSEB 7 MONTHS PRIOR TO COD.</p> <p>❖ ERECTION OF TRANSMISSION LINES AND SUBSTATION BAYS FOR EVACUATION OF POWER</p> <p>CHIEF ENGINEER/TL HAS BEEN ASKED TO TAKE UP THE WORK OF ERECTION OF TRANSMISSION LINES FROM THE PROJECT TO THREE NOS. 220- KV SUB STATIONS AT KHAUSA (AMRITSAR), BOTTIANWALA (FEROZEPUR) AND SULTANPUR (KAPURTHALA) AND CHIEF ENGINEER/SUB STATION HAS BEEN ASKED TO TAKE UP WORK OF CONSTRUCTION OF BAYS FOR THREE NOS. D.C.LINES FROM THE PROJECT TO THESE SUB STATIONS FOR EVACUATION OF POWER FROM THE PROJECT TO THE GRID. THE STATUS OF TRANSMISSION LINES ASSOCIATED WITH GOINDWAL SAHIB PROJECT IS AS UNDER:-</p> <p>1. 220 KV GOINDWAL SAHIB-KHAUSA DC LINE</p> <p>THE ROUTE SURVEYED. THE SCOPE NEEDS TO BE REVISED AS THE SPACE FOR BAY AT KHAUSA NOT AVAILABLE.</p> <p>2. 220 KV GOINDWAL SAHIB-SULTANPUR DC LINE</p> <p>THE WORK OF THIS LINE IN PROGRESS. STUBBING OF 12 OUT OF 58 NO. TOWERS HAVE ALREADY BEEN COMPLETED.</p> <p>3. 220 KV GOINDWAL SAHIB-BOTTIANWALA DC LINE</p> <p>THE SURVEY OF THIS LINE HAS BEEN CARRIED OUT, ROUTE PLAN PREPARED AND IS UNDER APPROVAL.</p>
SIGNING OF EPC CONTRACT & EPC CONTRACTOR	BID PACKAGE EXECUTED WITH M/S BHEL ON 06.02.2009 & NOTICE TO PROCEED ISSUED ON 29.09.2009. BOP PACKAGE AWARDED TO M/S PUNJ LLOYD EXECUTED ON

		14.09.2009 AND NOTICE TO PROCEED HAS BEEN ISSUED.
SIGNING OF O&M CONTRACT/O&M CONTRACTOR		UNDER FINALISATION BY THE CO.
GESTATION PERIOD		36/42 MONTHS FROM THE FINANCIAL CLOSURE.
DATE OF LIKELY START OF CONSTRUCTION/ACTUAL DATE IF CONSTRUCTIONS HAS COMMENCED		FOUNDATION FOR START OF CONSTRUCTION ACTIVITY LAID ON 18.10.08, BHOOMI PUJAN FOR START OF CONSTRUCTION WORK DONE ON 9.6.2009 AND THE SAME IS IN PROGRESS.
ANTICIPATED COMPLETION DATE		WITHIN 36 MONTHS FROM THE DATE OF FINANCIAL CLOSURE FOR FIRST UNIT AND 6 MONTHS THEREAFTER FOR SECOND UNIT. AS THE FINANCIAL CLOSURE HAS BEEN ACHIEVED ON 21.05.2010, THEREFORE, THE SCHEDULED COMMISSIONING OF THE PROJECT IS MAY, 2013 AND NOVEMBER, 2013.
PRESENT STATUS OF CONSTRUCTION;	OF	<ul style="list-style-type: none"> • MAIN PLANT- BTG CONTRACT ON M/S. BHEL, NEW DELHI. <p>BTG SCOPE:</p> <p>ACTIVITIES COMPLETED</p> <p>Boiler Unit# I:</p> <ul style="list-style-type: none"> • Boiler light up completed. • HP heater (hydro) drip system completed. • Structural erection – 3270/3571 MT completed. • DUCT-- 851 MT/1070 MT completed. • Total erection – 12145/13597 MT completed. • Total joints–15110/15776 approx. completed. • Non Pressure parts – 730/1431 MT completed. • P 91 joints- 68/74 completed. <p>Boiler Auxiliaries- Unit#I:</p> <ul style="list-style-type: none"> • ESP --2901 MT / 3045 MT erection completed. • FANS --188 MT/206 MT erection completed. • Mills 525/525 MT completed. • Piping- 562 MT /709 MT completed. • HT of Boiler feed discharge line completed. Line was pressurized up to 420 kg/cm². <p>Turbine & Auxiliaries- Unit# I:</p> <ul style="list-style-type: none"> • CEP motor (1 no.) bump trial completed. • CEP-1A No load trial run completed. • CEP-1A load trial run completed. • DC EOP no load trial run completed. • ACW pump 1B load trial run completed.

- BFP no load trial run completed.
- BFP Oil flushing completed.
- Condenser - Hot well cleaning and box up completed.

ESP #I:

- Pass A Box up completed.

Electrical & C&I-Unit# I:

- Generator Transformer - oil filtration completed.

Boiler Unit# II:

- Boiler total erection-- 8579 MT / 13597 MT completed
- Non pressure parts—159 /1431 MT completed.
- Eco coils alignment completed.
- Re heater (T91) welding completed.

Boiler Auxiliaries- Unit# II:

- Piping—86 /709 MT erection completed.

TG#II:

- LP rotor placement completed.
- LP inner outer casing placement completed.
- Generator- Stator Centering completed.
- End shield L/H box completed.
- Winding cover fit up completed.
- End shield U/H box up completed.
- Condenser - Dome walls alignment completed.
- Baffle plates - welding completed

Turbine & Auxiliaries- Unit# II:

- BFP A, B, C alignment completed.

ACTIVITIES UNDER PROGRESS:

- GT-I - IPBD erection in progress.
- UAT-I- IPBD erection in progress.
- PHB Unit#I: LP bypass valve welding in progress.
- PHB Unit#I: Seal oil flushing under progress.
- PHB Unit# II: Deareator, LP heater, HP heater piping in progress.
- PHB Unit# II: ACW/DMCW pumps piping in progress.
- PHB Unit# II: BFD and condensate line fit up and erection work in progress.

- PHB Unit # II: Extraction lines fit up & welding under progress.
- PHB Unit # II—LP heaters & HP heaters drip lines fit up under progress.
- Boiler Unit # I: HFO Fuel oil station work under progress.
- Boiler Unit # I: Critical piping work under progress.
- Boiler Unit # I: Refractory work of enclosures under progress.
- Boiler Unit # I: Insulation work under progress.
- Boiler Unit # I: ID Fan -1B, APH-1B, FD Fan-1A, PA Fan erection in progress.
- Boiler Unit # II: APH pass A& Bwelding & alignment in progress.
- Boiler Unit # II: CRH & HRH piping work under progress.
- Boiler Unit # II:Refractory work under progress.
- Boiler Unit # II: Light up DUs erection in progress.
- Boiler Unit # II: Bowl Mills erection under progress.
- Boiler Unit # II: Flue gas ducting work under progress.
- Boiler Unit # II: ID Fan 2A, FD Fan 2A erection in progress.
- ESP Unit # I: Pass B collecting emitting rapping mechanism & gauging 5th field onwards under progress.
- TG-I: Condenser steam inlet pipe fit up & welding under progress.
- TG-I: Scrap cutting inside condenser under progress.
- TG-II: Centering under progress.
- TG-II: Generator seal body erection & alignment under progress.
- TG II: TSP welding, Dome stiffeners piping & air evacuation piping fit-up &welding under progress.
- TG-II: Seal body erection & alignment under progress.
- TG-II: Alignment of ACW, DMCW & BFP under progress.
- CCR Inter-panel cabling under progress.

BOP SCOPE:

ACTIVITIES COMPLETED

Chimney:

- Hopper foundation work completed.
- Unit 2 flue cans 3/7 segments erection completed.

DM & PT Plant:

- Main Clariflocculator- All Civil, Mechanical & Electrical works completed.

Fire Water Pump House:

- Firefighting system Hydrant pump (1 no) load trial run completed.

Fuel Oil Pump House:

- LDO forwarding pump (1/3) trial run completed.
- LDO forwarding pump A: on load trial run completed.
- LDO fuel oil station work completed.

CHP-Civil works:

- BCN-4- Tunnel works completed.
- TH-3- works up to roof slab completed.
- TH-2 -works up to 0m level completed.

CHP Fabrication & Erection Work:

- BCN-9 Structural Steel erection work is completed.
- JN1-1 - 95 % Structural Steel erection work is completed.
- Crusher House- structural work completed.

ASH Silo and HCSD pump house:

- Silo-2 -14mtr slab casting completed.
- HCSD pump house - structure erection completed.
- Ash Slurry Pump House cable trench completed.

Cooling Water Pump House:

- CWP 1B No load trial run completed.
- CWP 2/3 pumps(unit-1) load trial completed.

IDCT-JI:

- 10 Cells deck slab completed.

ACTIVITIES UNDER PROGRESS**Main Plant****PHB:**

- PHB Unit #11 Cladding at gable end started.

Transformer Yard:

- ST-11 - SPBD erection is in progress.
- Rail Raft foundation work is under progress.

Mill Bay Unit #I:

- Roof Structural work welding is in progress.

Mill Bay Unit #II:

- 3/5 Bowl Mills erection is in progress.
- Roof structural work welding is in progress.

Balance of Plant**Chimney:**

- Unit-2 flue cans 4th segment assembly is in progress.

DM & PT PLANT:

- DM Building – DM Water generation is in progress as per requirement.
- Main Clariflocculator –Commissioning is in progress.
- Dual Media Gravity Filter- Civil & Mechanical works is in progress.
- Chemical House –civil works & Mechanical equipment erection is in progress.

CHP:

- ER-1 - Trench work is in progress.
- Crusher House – Crusher erection is in progress.
- Roadside storm drain work is in progress.
- Side Air charger 1 & 2 – Bolder soling is in progress.
- BCN-10 - Structural erection work is in progress.
- JNT-1 - Structural erection work is in progress.
- Technological Structure for BCN-1, 4, 5, 6, 8is under progress.
- Stack Reclaimer-Civil works is in progress for Electrical works& stockpile area for coal dumping is under progress.

Ash Silo & HCSO Pump House:

- Silo 1 - 8m slab shuttering is in progress.
- Silo 2 - slip form erection for silo shell is in progress.

	<ul style="list-style-type: none"> Compressor Room - pipe trench and brickwork is in progress. Ash Slurry Pump House - grade slab, plastering work is in progress. Ash handling pipe rack Foundation work is in progress. <p>IDCT-II:</p> <ul style="list-style-type: none"> Cylindrical lifts for 3 cells is under progress. <p>Switchyard:</p> <ul style="list-style-type: none"> Works in progress for commissioning of SCADA. <p>❖ <u>NON PLANT INFRASTRUCTURE AND FACILITIES BY GVK:</u></p> <p>NON-EPC:</p> <ul style="list-style-type: none"> Compound wall - Construction completed Ash pond construction is in progress. Fire Station Building 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. Canteen Building construction is in progress. Stores construction is in progress. Railway siding construction is in progress. <p>❖ <u>MANPOWER AND EQUIPMENT AT SITE:</u></p> <ul style="list-style-type: none"> There was a fatal incident on 23rd Jan 2013 at 00hrs 45 min, Helper fell from 40 to 36m boiler platform and expired on 23rd Jan 2013 evening. AS INFORMED BY THE COMPANY - Rs. 2602.00 CRORES (TILL JANUARY 2013).
INVESTMENT MADE TILL DATE	
<p>OTHER ISSUES</p> <p>a. LINKED PROJECTS (COAL, GAS OR OTHERS)</p> <p>b. INFRASTRUCTURE LINKAGES RAIL/ROAD/COMMUNICATION)</p> <p>c. ANY OTHER ISSUE CRITICAL AREA</p>	<p>AS ABOVE</p> <p>RAIL LINKAGE COMPLETED & COMMISSIONED UPTO GOINDWAL SAHIR, LOCATED ADJOINING TO KAPURTHALA-TARN TARAN ROAD.</p> <ul style="list-style-type: none"> A TARIFF ORDER DATED 29.1.08 WAS ISSUED BY PSERC IN CASE OF PETITION NO.4 OF 2007 FILED BY M/S GVK FOR APPROVAL OF TARIFF IN WHICH PROJECT COST WAS APPROVED FOR RS. 2622.48

CPDPS

- THE COMPANY FILED AN APPEAL ON THE ORDER OF PSERC WITH APPELLATE TRIBUNAL FOR ELECTRICITY, NEW DELHI THE TRIBUNAL GAVE ITS JUDGEMENT VIDE ORDER DATED 8.04.09. THE ESTIMATED COST OF THE PROJECT AS PER ORDER OF THE APPELLATE TRIBUNAL IS RS. 2963.81 CR.
- THE PSERC HAS ISSUED ORDER DATED 6.03.09 IN THE CASE OF PETITION NO. 3 OF 2007 FILED BY PSEB FOR APPROVAL OF AMENDED & RESTATED PPA WITH M/S GVK.
- M/S GVK HAS FILED AN APPEAL IN THE APPELLATE TRIBUNAL AGAINST THE ORDER OF PSERC DT. 6.3.09 AND ALSO FILED AN INTERIM APPLICATION FOR ALLOWING THEM TO SIGN THE PPA WITHOUT PREJUDICE TO THEIR RIGHT OF APPEAL. THE HEARINGS OF THE APPEAL AND INTERIM APPLICATION WERE HELD ON 30.4.09 AND 19.5.09. THE APPELLATE TRIBUNAL ISSUED AN INTERIM ORDER DATED 19.5.09 GIVING LIBERTY TO BOTH THE PARTIES FOR SIGNING THE PPA AS PER THE ORDER OF PSERC.
- THE AMENDED & RESTATED PPA HAS BEEN SIGNED ON 26.5.09 AS PER THE ORDERS OF THE COMMISSION AND APPEAL HAS BEEN DISMISSED BY THE TRIBUNAL VIDE ITS ORDER DATED 13.01.11.

AREAS OF CONCERN

AREA OF CONCERN:

- Construction Power Supply Tariff is being charged under "Temporary power Supply category" - A costly inconvenience - Request PSPCL to reconsider
- 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 BHET had affected PPG works progress adversely in Unit #1 B2.
- Railway corridor 2 acres of land possession is yet to be given and it results in delaying the railway siding work and in turn it delays the project commissioning.
- Additional payment towards BOCW is being remitted due to change in law which results in increasing the project cost.
- Inclement weather with heavy foggy conditions &

	rain affected the work severely during night shifts and partially in the day shift during this month.
PRESENT ADDRESS OF THE COMPANY	'PAIGAH HOUSE', 156-159, SARDAR PATEL ROAD, SECUNDERABAD- 500 003. ANDHRA PRADESH, INDIA
TELEPHONE NUMBER & FAX NO.	Off: 91-40-27902663, 64 Fax: 91-40-27902665
ANY ASSISTANCE REQUIRED.	

RAJPURA THERMAL POWER PROJECT

Name of the Power Project	Capacity	Scheduled COD	Present status of the Project
Rajpura Thermal Power Project	1400MW (Gross)		
Unit-1	700MW*	Jan, 2014	
Unit-2	700MW*	May, 2014	
Date of clearance by State Govt.	*State Govt. had cleared the project in 9/2006		
Est. approved cost	-----		
Expenditure up to handing over the Power Project to the Successful bidder.	Appx. Rs.542 Cr		
Financial closure	Documents submitted by the firm are under scrutiny		
Type of Fuel	Coal		
Fuel linkage	5.55MTPA from South Eastern Coalfields Limited (SECL) -from Korba Raigarh fields.		
Date of main plant order	EPC contracts signed with M/s Larsen & Toubro Ltd. on 16.07.2010 with effective date of contract as 18.01.10.		
Power Evacuation	Facility to be provided by erstwhile PSEB (now TRANSCO)		

* Unit configuration changed by the developer from 2X660MW to 2X700MW as per provisions of the PPA

2x700MW(1400MW) RAJPURA THERMAL POWER PROJECT

2x700MW(1400MW) Rajpura TPP is being developed at village Nalash near Rajpura Distt. Patiala by Nabha Power Limited (owned by M/s L & T Power Development Limited w.e.f 18.01.2010, the date of PPA). The project is being developed on "BOO" basis under Case-2 through Tariff based International Competitive Bidding process as per bidding guidelines issued by Ministry of Power, Government of India.

- The CODs of 1st & 2nd Units of the project are 17.01.2014 & 17.05.2014 respectively.
- EPC contractor: M/s Larsen & Toubro Ltd.
- Coal linkage: M/s South Eastern Coalfields Ltd. Bilaspur (Chhatisgarh) issued Letter of Assurance (LOA) to NPL for the coal linkage of 5.55 MTPA. Fuel Supply Agreement yet to be signed. Due to change in Unit configuration, application for additional coal linkage submitted by NPL to Ministry of Coal, Govt. of India. Standing linkage committee (SLC) has approved enhancement of capacity to 2x700 MW.
- Water Linkage: Irrigation Deptt., Punjab Govt. allocated water linkage on 09.05.2008 & 14.07.2010 (for the revised capacity of 2x700 MW).
- Land acquisition: Main Plant: 1078.16 acre of land acquired.
- Water Corridor: The lease deed for 1.37 acre land for water corridor has been signed by NPL with the Panchayat of village Rangia and possession of land is still to be taken over by NPL.
- Railway Land: Railway land (110 Acre) – Out of 110 Acres of railway land requirement, the possession of about 90 acre of land has been taken over by NPL. The land owners of village Jeonpura Distt, Fatehgarh Sahib (13.26 acres) & village Basant Pura Distt. Patiala (6 acres) have filed CWPs as Hon'ble Punjab & Haryana High Court against their land acquisition & the case is pending in the court. The next date of hearing in 07.05.2013.
- Railway Corridor: PO issued to L&T-Railway Business Unit for Design, Engineering, Construction & Commissioning of Railway siding. Railway siding in plant linking works completed. Works in lead line stated. Engineering scale plan (ESP) for railway siding approved.

Overall Project Progress: 75% as per telephonic discussion with the project Director of NPL.

The progress of the project as intimated by NPL is as under:-

- » DPR for 2X700MW finalized.
- » Major equipment for main plant, BOP, Coal Handling Plant, Ash Handling Plant, others auxiliary & essential packages ordered and partly received.
- » Amendment in MOEF clearance for the project received on 15.11.2010

- » Renewal of "NOC" from Punjab Pollution Control Board obtained, valid up to 19.09.2013.
- » Tata Consulting Engineers (TCE) Ltd. appointed as Owner's Engineer.
- » Soil Investigation, Contour & Topographical Survey completed.
- » Approval for Change in Land Use obtained from Chief Town Planner, Pb. on 10.06.2010.
- » Design & Engineering work in progress- 97.5% completed.

■ **SITE PROGRESS**

Sr No.	Name of Work	UOM	QUANTITY DETAILS		
			Cumulative Till Dec 31,2012	For the Month of Jan 2012	Cumulative till Jan. 31,2012
A	CIVIL				
I	PILING	Nos	Completed		
II	PILE CAP / FOUNDATIONS				
	UNIT#1				
	1. Boiler, ESP, Fan etc.	CUM	7048	214	7262
	2. Mill Bay		4837	Completed	4837
	3. STG & Auxiliaries		13623	151	13774
	4. NDCT Raft, racker column, pedestals		30669	1736	32405
	UNIT#2				
	5. Boiler, ESP, Fans, etc		6798	93	6891
	6. Mill Bay		4803	Completed	4803
	7. STG & Auxiliaries		6681	1014	7695
	8. NDCT Raft		17951	346	18297
	COMMON SYS				
	9. Chimney		28165	0	28165
	10. Service Building	1938	26	1964	
	11. Control Room	3297	104	3401	
	12. SW Yard Foundations	Nos	Completed		
	MISCELLANEOUS				
	13. Plant Roads WBM	Sqm	25381	0	25381
	14. Misc. RCC-Water System, Drains etc	cum	51301	0	51301
B	STRUCTURAL				
I	FABRICATION				
	1. STG Bldg#1	Tons	6010	7	6017
	2. Control Room Bldg.		Completed		
	3. Bunkers#1		1584	7	1591

4.	STG Bldg#2		3176	5	3181
II	ERECTION				
1.	STG Bldg#1		5521	22	5543
2.	Control Room Bldg.		1540	33	1573
3.	Bunkers #1		537	63	600
3.	STG Bldg#2		2037	362	2399
III	BOILER #1 ERECTION	Tons	23414	1027	24441
IV	BOILER # 2 ERECTION		14236	1186	15422
C	RAW WATER RESERVOIR				
I	Excavation	CUMx10^3		Completed	
II	Embankment	CUMx10^3		Completed	
III	Laying of precast tiles	SQM	403180	0	403180
D	RLY SIDING IN PLANT				
I	Earth work	CuM	230802	0	230802
II	Blanketting	CuM	89005	5396	89005
III	Sleeper laying (in plant yard)	EKTM	13	8	21
	LEAD LINE				
I	Earth work	CuM	265815	9010	274825
II	Blanketting	KM	4185	9240	13425
III	Sleeper laying (in plant yard)	EKTM	-	0.3	0.3
E	COAL HANDING				
I	RCC	CUM	30764	1917	32681
II	Structure Erection	Tons	5186	308	5494
F	ASH HANDLING SYSTEM				
I	Ash Dyke Excavation	CuM	750648	0	750648
II	Ash Silo	CuM	2562	0	2562

EVACUATION OF POWER:-

The evacuation of power on 400 KV DC Twin-Moose lines shall be as under :

- Rajpura Thermal to Rajpura 400 KV Sub Station. Rajpura to 400 KV Dhuri.
- Rajpura to 400 KV Nakodar, Nakodhar to 400 KV Mastewal. The transmission lines shall be erected by PSTCL.

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TALWANDI SABO THERMAL POWER PROJECT

Name of the Power Project	Capacity	Scheduled COD	STATUS OF THE PROJECT
Talwandi Sabo TPP	1980MW(Gross)		
Unit-1	660MW	31.08.2012	As per the enclosure-I
Unit-2	660MW	31.12.2012	
Unit-3	660MW	30.04.2013	
Date of clearance by State Govt.	9/2006		
Est. approved cost	----		
Expenditure up to handing over the Power Project to the Successful bidder.	Appx. Rs.387Cr		
Financial closure	The Financial Closure of this project is under consideration of PSERC Chandigarh.		
Type of Fuel	Coal		
Fuel linkage	7.72MTPA by Mahanadi Coal Field Limited—from Basundara Coalfields		
Date of main plant order	18.07.2009 EPC contract placed on M/S SEPCO Electrical Power Construction Corporation, Jinan,Shandong China.		
Power Evacuation	This system will be provided by erstwhile PSEB (now TRANSCO)		

3x660MW(1980MW) Talwandi Sabo Thermal Power Project.

Note:- TSPL have not supplied the progress report for the month ending July, August, September, October, November, December 2012 and January 2013 despite repeated requests. The status available with this office and as intimated by the TSPL is as under:-

- 3X660 MW(1980MW) is being developed at village Banawala, Distt. Mansa by Talwandi Sabo Power Limited (owned by M/s Sterlite Energy Limited w.e.f 01.09.2008, the date of PPA). The project is being developed on "BOO" basis under Case-2 through tariff based International Competitive Bidding process as per bidding guidelines issued by Ministry of Power, Govt. of India.

- Commercial Operation Dates (CoDs):-

	As per PPA intimation by	As per previous TSPL intimation by	As per latest TSPL
1 st Unit	31.08.2012.	08.11.2012	08.08.2013
2 nd Unit	31.12.2012.	08.02.2013	08.11.2013
3 rd Unit	30.04.2013	10.06.2013.	08.03.2014

- EPC- Contract: M/s SEPCO Electric Power Construction Corporation, Jinan, Shandon, China.

- Coal linkage: M/s Mahanadi Coal Fields Ltd. Sambalpur have already issued LOA to TSPL on 14.08.2008 for 7.72 MTPA coal linkage--Grade is E/F.

- Fuel Supply Agreement: Yet to be signed by the TSPL.

- Water Linkage: 100 cusec water linkage obtained from Kotla branch.

- Land acquisition: Land for main plant, rail & water corridor stands acquired & is in possession of TSPL

Overall Project Progress: 70%

The progress of the project as intimated by the TSPL is as under:-

Major equipments for Main plant, BOP, Coal Handling Plant, Switchyard, Ash Handling Plant, others auxiliary & essential packages ordered. Approx.1,31,000 MT material dispatched from China, twenty two shipments from China & 21 cargos from third countries.

Project Progress : Activities completed as on 30th June, 2012

S.No	Activity Description*	Status
	Infrastructure Work	
1	Road Diversion Work	Completed
2	Street Lighting Work	Completed
3	Plant Boundary Wall Work	Completed
	Civil Works	

4	Test Piling Completion	Completed
5	Soil Investigation	Completed
6	Area Grading in Main Plant Area	Completed
Foundation Works		
7	Boiler Unit # 2	Completed
8	Boiler Unit # 3	Completed
9	Boiler Unit # 1	Completed
10	ESP Unit # 2	Completed
11	ESP Unit # 3	Completed
12	ESP Unit # 1	Completed
13	MPH Unit # 2	Completed
14	DM plant foundation	Completed
15	Switchyard foundation	Completed
16	Chimney raft foundation	Completed
17	Chimney slip form erection	Completed
18	NDCT Unit #2 ring foundation & pedestals for raker column	Completed
19	NDCT Unit # 2 raker column and ring beam construction	Completed
20	NDCT # 3 ring foundation work	Completed
21	NDCT # 1 ring foundation	Completed
22	Water Purifying house	Completed
23	Service water basin # 3	Completed
24	Chemical House	Completed
25	CWPH raft foundation work	Completed
26	Inclined plate filter	Wall construction completed
27	CHP-Wagon tippler,CRG # 3,5,6,10,11	Completed
28	HCSD # 1,2-Dewatering Bin,Settling and Surge tank	Completed
Mechanical Works		
1	Boiler # 2	Structure erection completed
2	Boiler # 1	Structure erection completed
3	DM Plant	Structure erection completed
4	Assay Building	Structure erection completed
5	CHP-Crusher House, CRG # 4,5,6,10	Structure erection completed

* All activities are as per the revised schedule

Project Progress – Activities under Progress

S No	Activity Description*	Status
Infrastructure Work		
1	Transit hostel	In Progress
Civil Work		
2	NDCT 2 shell construction	24 lifts completed
3	NDCT 3 raker column construction	72% completed
4	Chimney shell construction	Completed up to 27.5 m
5	Chimney unit#2 flue can fabrication	50% completed
6	MPH 1 foundation work	96% completed
7	MPH 3 foundation work	86% completed
8	Wagon tippler foundation work	Raft foundation completed, wall casting in progress, -4.2 m slab rebar in progress.
9	Comprehensive water pump house	Super structure civil work in progress
10	Service water basin # 3	Civil work completed, readiness for hydro test
11	Raw water pump house	Civil structure completed
12	Raw water reservoir	68% completed
13	Railway siding	In plant yard track laying completed. Out plant yard track lying in progress, Bridges construction in progress.
14	HCSD	HCSD Pump House # 1,2 foundation work completed.
Mechanical Works		
15	CW pipes erection	In progress
16	Boiler 2 erection	74% Pressure parts welding completed
17	Boiler 1 erection	31% welding completed
18	Boiler 3 erection	5 th tier structural erection in progress
19	ESP 2	Structure erection completed. Nozzles lifting in progress. FF casing lifting in progress. Collecting frame erection in progress.
20	MPH # 2	Structure erection 70% completed
21	MPH # 3	Structure erection in progress
22	MPH # 1	Structure erection in progress
23	DM plant	Roof slab casted. Switchyard erection completed, equipment erection completed up to 90% cable tray work in progress in assay

21	Water purifying house	building
25	Inclined plate filler basin	Equipment erection completed
26	Raw water basin & pump house	Mechanical works in progress
27	Pipe rack	Pump erection in progress
28	Crusher house and CSR	Erection work in progress
29	NCB/CCB	Structure erection ; SR erection in progress
30	HCSD	Panel erection in progress
31	Instrument Air Compressor	Unit # 2 Dewatering bin, settling and surge tank mechanical works already completed. Pump erection in progress
		Compressor erection in progress.

*All activities as per the revised project schedule

Other Supporting Infrastructure & Facilities:

Railway link & siding

- » Out plant, RUBs 8/8 box completed and culverts work is in progress
- » Out plant yard track laying in progress. Canal Bridge girder erection completed. Road Bridge girder erection in progress.
- » Cable lying in progress for signaling work at in plant.
- » Fly over civil work in progress.

Water conveyance

- » Pump house & buffer tank civil works in progress.
- » Pipe laying completed. Hydro test preparatory work in progress.
- » Overall progress- 80% progress achieved.

Water reservoir

- » Excavation and embankment work completed.
- » Precast tiles lying in progress. PVC pipe and HDPE laying in progress

High concentration slurry disposal

- » Unit # 2 Dewatering bin, settling and surge tank mechanical work completed.
- » Pipe laying upto Ash dyke completed. Unit # 1&2 Pump erection completed.

Manpower :- About 6600 manpower working at site.

Following Twin Moose DC on DC lines of 400 KV approved for evacuation of power:

- a) 440 KV Talwandi Sabo to 400 KV Nakodar with LILO of one Ckt at 400 KV PGCIL Moga.
- b) 400 KV Talwandi Sabo to 400 KV Mukatsar.
- c) 400 KV Mukatsar to 400 KV Mastewal (Makhu). 400 KV Talwandi Sabo to 400 KV Dhuri.
- d) 400 KV Mastewal to 400 KV Bala Chak Amritsar.

The evacuation lines have been ordered for execution by M/s PGCIL.

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