

MINISTRY OF POWER  
PROJECT MONITORING SYSTEM

STATUS ENDING OCTOBER, 2011.

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 <sup>TH</sup> 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. 1415.00 Crore (TILL OCTOBER, 2011).
FDI INFLOW	NOT KNOWN.
SANCTIONS.	
ACT JAL 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 FOR 1ST YEAR)
1ST.YEAR	LEVELLISED TARIFF- RS. 2.63 (ESTIMATED)
LEVELLISED.	
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"> <li>❖ 1074.615 ACRES OF LAND HAS BEEN ACQUIRED.</li> <li>❖ RAILWAY SIDING FROM KHADUR SAHIB TO SITE (37.03 ACRES), RIVER WATER PIPELINE CORRIDOR (1.40) ACRES.</li> <li>❖ AWARD FOR 37.98 ACRES WAS ISSUED ON 15.07.2011, MUTATION IS IN PROGRESS. SITE POSSESSION IS YET TO BE GIVEN.</li> </ul>
OTHER REQUIRED CLEARANCES	<ul style="list-style-type: none"> <li>• NOC FROM PUNJAB POLLUTION CONTROL BOARD OBTAINED BY THE CO. VIDE LETTERS DATED 30.4.1999 &amp; 31.5.1999. ENVIRONMENTAL CLEARANCE FROM MOEF HAS BEEN OBTAINED FOR THE PROJECT VIDE LETTER DATED 9.5.08.</li> <li>• UNDER SECTION 29 OF ELECTRICITY SUPPLY ACT 1948. THE SCHEME WAS PUBLISHED IN THE STATE GAZETTE ON 19.2.1999.</li> <li>• UNDER SECTION 18(A) OF THE ELECTRICITY SUPPLY ACT, 1948, ORDER OBTAINED FROM GOVT. OF PUNJAB TO ESTABLISH, OPERATE &amp; MAINTAIN THE SCHEME. FRESH PPCB CLEARANCE FOR ESTABLISHMENT HAS BEEN OBTAINED.</li> <li>• 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.</li> <li>• NOC OBTAINED BY THE CO. FROM THE CHIEF OF STAFF, WESTERN COMMAND, CHANDIMANDIR VIDE LETTER DT. 31.8.1998.</li> <li>• NO OBJECTION CERTIFICATE FROM FOREST DEPARTMENT IS OBTAINED.</li> <li>• SITE APPRAISAL CLEARANCE IS OBTAINED.</li> <li>• 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 DEPARTMENT AS PER THE RECENTLY CHANGED GOVERNMENT RULES TO RELEASE THE NOC.</li> <li>• PUNJAB STATE GOVERNMENT GUARANTEE FOR THE PROJECT HAS BEEN SIGNED ON 29.3.2001.</li> <li>• THE COMPANY HAS ENTERED INTO WATER SUPPLY AGREEMENT WITH IRRIGATION DEPARTMENT, GOVERNMENT OF PUNJAB FOR SUPPLY OF 20 CUSECS OF WATER ON 29<sup>TH</sup> MARCH, 2001. REVISED AGREEMENT SIGNED ON 07.04.2010.</li> <li>• ORDERS FOR MAIN PLANT EQUIPMENT (BTG PACKAGE) PLACED ON M/s BHEL ALONGWITH 10% ADVANCE</li> </ul>

	<p>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.</p> <ul style="list-style-type: none"> <li>• NON EPC WORK AWARDED TO M/S VERTEX PROJECTS LTD.</li> <li>• COAL SUPPLY AGREEMENT EXECUTED ON 6.6.2009.</li> <li>• 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.</li> </ul>
FUEL LINKAGE	<p><b>A. TOKISUD NORTH BLOCK:</b></p> <ul style="list-style-type: none"> <li>• TOKISUD NORTH COAL FIELD ALLOTTED AS A CAPTIVE COAL MINE AND THE DEVELOPMENTAL ACTIVITIES ARE UNDER PROGRESS.</li> <li>• SANCTION OF MINING PLAN: SANCTIONED VIDE MOC LETTER NO. 13016/25/2005-CA-I DATED 05.04.2006.</li> <li>• LAND ACQUISITION: ACQUIRED 720 ACRES OF COMPENSATORY AFFORESTATION LAND AGAINST REQUIRED 926 ACRES. COMPANY HAS ACQUIRED 444 ACRES OF PRIVATE &amp; OTHER GOVT. LAND OUT OF TOTAL REQUIREMENT OF 604 ACRES. THE COMPANY HAS REMITTED RS. 2.12 CRORES TOWARDS 80% OF NOTIONAL VALUE OF THE GOVT. LAND AND GOVT.'S APPROVAL FOR TRANSFER/LEASE IS AWAITED.</li> <li>• FOREST CLEARANCE: MOEF HAS ISSUED STAGE-I CLEARANCE VIDE LETTER NO.8-26/2009-FC DATED 21.04.2010. STEPS ARE ON HAND TO COMPLY WITH STIPULATED CONDITIONS TO GET STAGE-II CLEARANCE. DEPOSITED AN AMOUNT OF RS. 35.27 CRORES IN CAMPA A/C TOWARDS NPV &amp; COST OF AFFORESTATION.</li> <li>• 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.</li> <li>• ENVIRONMENT CLEARANCE: MOEF HAD GRANTED ENVIRONMENTAL CLEARANCE VIDE LETTER NO. J-11015/430/2006-IA.II (M) DATED 24.09.2008.</li> <li>• REHABILITATION AND RESETTLEMENT: R &amp; R PROPOSAL WAS APPRVED BY DEPUTY COMMISSIONER VIDE MEETING HELD ON (7.05.2010. COMPLETED SURVEY FOR ELIGIBLE PROJECT AFFECTED FAMILIES FOR HOUSES IN R &amp; R COLONY. COMPANY HAS ISSUED LETTER OF INTENT (LOI) TO M/S SANJAY CONSTRUCTION BOKARO, RANCHI FOR CONSTRUCTION OF R&amp;R COLONY PHASE-1FOR AN AMOUNT OF RS.5,92,17,578/-</li> <li>• 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 16.08.2010AND OPEN</li> </ul>

FOUNDATION FOR P1 TO P4 PIERS COMPLETED AND FOUNDATION FOR P5 UNDER PROGRESS.

- RAILWAY SIDING: MOST OF THE LAND ACQUIRED. THE COMPANY HAS OBTAINED CLEARANCE FROM EAST CENTRAL RAILWAY, HAJIPUR FOR CONSTRUCTION OF RAILWAY SIDING AT TOKISUD RAILWAY STATION AT AN ESTIMATED COST OF RS. 135 MILLIONS VIDE LETTER NO. ECR/OPT/GVK/TOKISUD/505 DATED 10.08.2009. DPR WAS APPROVED BY EAST CENTRAL RAILWAY, HAJIPUR. ENGINEERING SCALE PLANS ARE UNDER FINALIZATION FOR GIVING WORK ON CONTRACT.
- APPROACH ROAD AND RAILWAY SIDING: SURVEY IS COMPLETED. CONTRACT WILL BE AWARDED AFTER STAGE-II FOREST CLEARANCE.
- TOPOGRAPHICAL SURVEY AND BOUNDARY FIXING OF MINING LEASE AREA: 50% OF THE WORK IS COMPLETED WITH THE CO-OPERATION OF DEPARTMENT OF FORESTS.
- OTHER FILED ACTIVITIES IN THE MINING BLOCK WILL BE TAKEN UP, AFTER THE FOREST LAND AND NON-FOREST LAND ACQUISITION IS COMPLETED.
- THE COMPANY HAS CANCELLED THE TENDER PROCESS INITIATED THROUGH INVITING BIDS ON 14.06.2011, DUE TO INADEQUACY OF THE BIDDERS TO MEET THE QUALIFICATION CRITERIA.
- DUE TO THE FOREGOING, THE COMPANY HAD ADVERTISED FOR INVITING BIDS ON 23.09.2011 BY REDUCING THE QUALIFICATION CRITERIA IN CONSULTATION WITH PSPCL. THE BID PROCESS IS IN PROGRESS.

**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 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 ON 08.04.2010.
- GRANT OF PROSPECTING LICENSE: GOVT. OF JHARKHAND GRANTED PROSPECTING LICENSE VIDE LETTER NO. 1684 DATED 20.09.2010.
- APPLICATION FOR FOREST CLEARANCE WAS CLEARED BY MINISTER (FOREST) RECENTLY AND IS BEING SENT TO MoEF DELHI.
- TOPOGRAPHICAL SURVEY: TOPOGRAPHICAL SURVEY IS COMPLETED.
- EXPLORATION: SHORTLISTED SIX EXPLORATION AGENCIES. THE CONTRACT FOR EXPLORATION DRILLING WILL BE FINALIZED BY FEB., 2011.
- TRANSFER OF LAND FROM CCL: RS. 50 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.
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 EQUITY (IN MILLION) DEBT (IN MILLION)	DEBT TO EQUITY OF 80: 20
DETAILS OF ESCROW FACILITY	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.
LEAD INDIAN FINANCIAL INSTITUTION;	INDUSTRIAL DEVELOPMENT BANK OF INDIA (IDBI)
POWER EVACUATION FACILITY	<p>TO BE COMPLETED BY PSEB 7 MONTHS PRIOR TO COD.</p> <p><b>❖ ERECTION OF TRANSMISSION LINES AND SUBSTATION BAYS FOR EVACUATION OF POWER</b></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 KHASA (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><b>1. 220 KV GOINDWAL SAHIB-KHASA DC LINE</b></p> <p>THE ROUTE SURVEYED. THE SCOPE NEEDS TO BE REVISED AS THE SPACE FOR BAY AT KHASA NOT AVAILABLE.</p> <p><b>2. 220 KV GOINDWAL SAHIB-SULTANPUR DC LINE</b></p> <p>THE WORK OF THIS LINE IN PROGRESS. STUBBING OF 12</p>

	<p>OUT OF 58 NO. TOWERS HAVE ALREADY BEEN COMPLETED.</p> <p><b>3. 220 KV GOINDWAL SAHIB-BOTTIANWALA DC LINE</b></p> <p>THE SURVEY OF THIS LINE HAS BEEN CARRIED OUT, ROUTE PLANT PREPARED AND IS UNDER APPROVAL.</p>
SIGNING OF EPC CONTRACT & EPC CONTRACTOR	BTG 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;	<p>• <b>MAIN PLANT- BTG CONTRACT ON M/S. BHEL, NEW DELHI.</b></p> <p><b>BTG:</b></p> <p><b>ACTIVITIES COMPLETED:</b></p> <p><b>Boiler Unit# I:</b></p> <ul style="list-style-type: none"> <li>• Re heater rear coil assembly erection work completed.</li> <li>• Economizer upper &amp; lower bank assembly erection completed</li> <li>• Front WW fit up &amp; welding work in progress with loose tubes &amp; O/L header, 11 joints completed.</li> <li>• Extended side wall fit up &amp; Welding with headers completed</li> <li>• Terminal tubes erection &amp; welding work with LTSH O/L header, - 486 out of 496 completed</li> <li>• Rear Roof panel + Back pass rear wall panels fit up work - 3 out of 8 completed</li> <li>• Burner # 1 erected</li> <li>• Column no. S 14 and S 15 for APH erected</li> </ul> <p><b>ESP Unit# I:</b></p> <p><b>PASS – A</b></p> <ul style="list-style-type: none"> <li>• Housing welding work - 48 out of 56 completed</li> </ul>

- Hopper Fit up completed
- Outlet funnels RH and LH side fit up completed
- Insulation work started up to 3<sup>rd</sup> field

**PASS - B**

- Housing welding completed
- Bottom hopper erection completed
- Pin welding on inner roof for insulation in progress, 7 out of 7 fields completed
- 6 nos. transformer rectifiers erected

**Boiler Unit# II:**

- 7 no's headers erected.
- Extended wall Tie rod erection completed
- FSH crown plate fabrication completed
- LC1 & LC2 column alignment completed

**ESP Unit# II:**

**Pass-A**

- Shock bar angle erection Up to 7th field Completed
- Hopper plate erection work – 101 out of 112
- GD outlet Screen Sheet erection - 32 out of 32 erected

**Pass-B**

- Hopper plate erection work - 107 out 112 completed
- Loading and Gauging completed up to 3rd field
- GD outlet Screen Sheet erection completed

**Duct & Supporting Structure:**

ESP O/L to ID Fan:

- 16 No's Columns Erected

**TG Unit# 1:**

Generator condenser wall pre assembly work completed.

Condenser wall erected.

- De-aerator- De-aerator 1<sup>st</sup>, 2<sup>nd</sup> & 3<sup>rd</sup> piece shifted at 21 Meter floor
- HP-5 Heater shifted at its foundation
- Blue matching of Pedestal completed

**Activities under Progress**

- Boiler I & II Pressure parts erection
- Boiler I - Eco Intermediate middle header + eco upper coil joint work

- Boiler I- Buckstay fit up & Front upper WW fins Matching work
- Boiler II- Roof sheeting Work, 36 Group works, Down comer erection & welding
- ESP I & II-erection work
- TG Unit I- condenser wall erection & fit up work & Blue matching of bottom inserts plate- work
- BHEL Trichy material supply
- BHEL Haridwar material supply
- BHEL Bhopal material supply
- BHEL PEM material supply

**NON-EPC:**

- Compound wall - Construction completed
- Ash pond construction is in progress
- Residential Colony work is in progress
- Green belt development is in progress

**BOP PACKAGE : INFRASTRURAL WORKS BY M/S PUNJ LLOYD (BOP CONTRACTORS)**

- **BOP**

**ACTIVITIES COMPLETED**

**Power House Building Unit I:**

- CW Pit Wall casting completed
- Floor Casting - 69% casting work is completed
- MOT- Deck sheet laying work completed.

**Power House Building Unit# II:**

- Foundations Casting completed -13 out of 15 No's
- Fabrication and Erection- All main column Fabrication work completed
- TG Columns - 24 out of 30 Lift casting completed.

**Electrical Bay:**

- 14 out of 18 pile cap casted
- Structural Fabrication - 12 out of 15 main column fabrications completed
- Column Erection started, 06 out of 15 Main columns has been erected

**Transformer Yard Foundation Work:**

- GT -I work completed
- ST-I -work completed
- UAT-I- work completed



- GT-II- 20 % of work completed
- ST-II - 70 % of work completed

**Mill Bay Unit# I:**

- Fabrication & Erection Works- 16 out of 16 no's (1<sup>st</sup> Lift up to 30 meter) have been erected

**ESP Control Room:**

- Casting of columns up to lintel beam completed
- 3.9 M Floor Slab shuttering work completed

**Switchyard**

- Switch Yard CR- Inner Wall construction in progress, outer wall up to ventilator level completed
- Equipment erection work - Equipment Structure 718 out of 721 erected & Equipment Erection in progress 178 out of 432 erected
- Switch Yard Cable Trench - 745 out of 1200 mm raft casting completed & 1000 out of 2400 mm wall casting completed

**Chimney:**

- 02<sup>nd</sup> flue can- 163 RM fabrication works completed
- Shell Casting up to 80.1m completed

**DM Plant:**

- DM Building- Column casting up to roof beam, 18 out of 34 completed.
- DM Tanks (02 No's) – Tank Foundation casting work completed
- DM Tanks (02 No's)02 Tank- foundation casting work completed, Erection work to start
- Filter Water Storage Tank excavation completed

**CST Foundation:**

- 01 Tank- 1<sup>st</sup> lift Foundation casting work completed

**CHP-Civil works:**

- Wagon Tippler 1- (-)7.8 M hopper shuttering work started.
- Wagon Tippler-2- Wall completed up to (-)5.6 Meter
- Stacker Reclaimer- 200 out of 1000 m (306/S34 pile cap) casting completed
- JNT-3 –Pedestal 08 out of 21 casting completed
- Crusher House- Pile cap casting work completed all

21 pedestals casted

- TH-3- Excavation up to -16 Meter Level completed
- TH-1-Wall & tie beam casting completed up to -8.946 Meter
- ERH- Excavation up to -3.3 Meter completed

#### **Fabrication & Erection Work**

- Structural Fabrication – 2014 out of 3500 MT welding completed
- Trestle & gallery erection – 346 MT erected

#### **IDCT-I**

- Columns casting- 7 meter up to Grid-7 completed, 5 meter up to Grid 14 completed
- Basin Wall- wall casting completed

#### **IDCT-II:**

- Columns- 20 % column casting completed
- Basin Wall- 15 % work completed

#### **CW Channel & Pipe Line:**

- CW pipe line 43 % erection work completed
- Hydro test of 1000 RM CW pipe completed

#### **PA, FD & ID Fan & Duct Support:**

- ID Fan Unit-1- Fan-A Deck slab casting completed
- ID Fan Unit-2- Raft casting & Wall first Lift casting completed for Fan-A
- Duct Support-  
Boiler to ESP- foundation casting work completed

ESP to ID Fan A- foundation casting work completed

ID Fan A to Chimney- foundation casting work completed

ESP to ID Fan B- foundation casting work

completed

ID Fan B to Chimney- foundation casting work completed except one

**FOPH:**

- FOPH Building – 66 % column casting up to Tie beam bottom completed

**Cooling Water Pump House:**

- Raft PCC work completed. Reinforcement laying for Raft casting - 70% completed

**River Water Intake:**

- Well sinking up to -7 meter completed

**Raw Water Pump House:**

- 09 Pile cap casting work completed

**Pipe Rack Foundation (DM Plant Area):**

- Footing casting work in progress – 12 out of 24 footing casted & 06 out of 24 pedestals casted

**Activities Under Progress**

- Electrical bay foundations and structural fabrication work
- TG II- lift casting work
- Bowl Mill- E Super Structure reinforcement work in progress
- ESPII- reinforcement laying work
- Main Clariflocculator PCC work
- Acid Alkali super structure work
- Neutralization Pit -Shuttering work.
- Wagon tippler-2 -( -)4.5 M slab shuttering & above 7.8 M raft wall second lift reinforcement binding
- Wagon Tippler-1 above 7.8 M raft west side wall second lift shuttering work in progress.
- CW Channel & Pipeline- encasement , Fabrication & Erection work
- DM Tanks fabrication work
- PA & FD Fan-B Duct Support Foundation- foundation casting work in progress.
- Raw water reservoir PCC & grade slab work

	<ul style="list-style-type: none"> <li>• CHP- In all Areas</li> <li>• HFO &amp; LDO Tank- Erection work in progress</li> <li>• River Water Intake- Well sinking work in progress,</li> <li>• SWYD- Equipment Erection work</li> <li>• Switch yard Cable Trench casting work</li> <li>• Chimney shell casting work</li> <li>• IDCT#1&amp; 2 work</li> <li>• GT-2, ST-1, 2 &amp; Amritsar Line-1 conductor stringing work</li> </ul> <p>• <b><u>NON PLANT INFRASTRUCTURE AND FACILITIES BY GVK:</u></b></p> <p><b>NON-EPC:</b></p> <p><b>Non-EPC:</b></p> <ul style="list-style-type: none"> <li>• ASH POND CONSTRUCTION IS IN PROGRESS. STORAGE SHED CONSTRUCTION IS IN PROGRESS,</li> <li>• RESIDENTIAL COLONY WORK IS IN PROGRESS, GREEN BELT DEVELOPMENT IS IN PROGRESS</li> </ul> <p>❖ <b><u>MANPOWER AND EQUIPMENT AT SITE:</u></b></p> <ul style="list-style-type: none"> <li>• There are no incidents to report. There is no time lost due to injury or accident during the month. 24,65,334 man hours have been completed without any injury less time.</li> </ul>
INVESTMENT MADE TILL DATE	AS INFORMED BY THE COMPANY - RS. 1350.31 CPORES (TILL SEPTEMBER 2011).
OTHER ISSUES	
a. LINKED PROJECTS (COAL, GAS OR OTHERS)	AS ABOVE
b. INFRASTRUCTURE LINKAGES (RAIL/ROAD/COMMUNICATION)	RAIL LINKAGE COMPLETED & COMMISSIONED UPTO GOINDWAL SAHIB. LOCATED ADJOINING TO KAPURTHALATARN TARAN ROAD.
c. ANY OTHER ISSUE	
CRITICAL AREA	<ul style="list-style-type: none"> <li>• A TARIFF ORDER DATED 29.4.08 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 CRORES.</li> <li>• 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. 2963.51 CR.</li> <li>• THE PSERC HAS ISSUED ORDER DATED 6.03.09 ON THE CASE OF PETITION NO. 3 OF 2007 FILED BY PSEB FOR APPROVAL OF AMENDED &amp; RESTATED PPA WITH M/S GVK.</li> <li>• 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 15.5.09. THE</li> </ul>

	<p>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.</p> <ul style="list-style-type: none"> <li>• THE AMENDED &amp; 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.</li> </ul>
<p><b>AREAS OF CONCERN</b></p>	<ul style="list-style-type: none"> <li>• <b><u>AREA OF CONCERN:</u></b> <ul style="list-style-type: none"> <li>• Construction Power Supply Tariff is being charged under "Temporary power supply category" – A costly inconvenience - Request PSPCL to re-consider</li> <li>• Due to change of law Entry tax is being imposed on the project material at Punjab boarder. Due to this there will be an increase in project cost by about 10%.</li> <li>• Soil improvement through vibro compaction is increasing the project cost.</li> <li>• Excessive length of pile than envisaged is increasing the project cost.</li> <li>• Increase in soil filling quantity due to heavy settlement during vibro compaction.</li> <li>• Increase in cost of railway siding as approved by Northern Railways.</li> <li>• Festival season affected the work progress during the month.</li> <li>• Continuous labour attrition due to remote area is affecting the progress of work.</li> <li>• Delay in material supply from BHEL Trichy is affecting BTG work progress adversely in Unit#2</li> <li>• Railway corridor land possession is yet to be given and it is delaying the railway siding work.</li> </ul> </li> </ul>
<p>PRESENT ADDRESS OF THE COMPANY</p>	<p>'PAIGAH HOUSE', 156-159, SARDAR PATEL ROAD, SECUNDERABAD- 500 003. ANDHRA PRADESH, INDIA</p>
<p>TELEPHONE NUMBER &amp; FAX NO.</p>	<p>Off: 91-40-27902663, 64 Fax: '1-40-27902665</p>
<p>ANY ASSISTANCE REQUIRED.</p>	

**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	
Unit-2	660MW	31.12.2012	
Unit-3	660MW	30.04.2013	As per the enclosure-I
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	TSPL have not achieved the Financial Closure till date		
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,Shandon China.		
Power Evacuation	This system will be provided by erstwhile PSEB (now TRANSCO)		

**Development Status of 3x660MW(1980MW) Talwandi Sabo Thermal Power Project.  
for October,2011**

- 3X660 MW(1980MW) is being developed at village Banawala, Distt. Mansa on "BOO" basis by Talwandi Sabo Power Limited (owned by M/s Sterlite Energy Limited w.e.f 01.09.2008, the date of PPA) under Case-2 through tariff based International Competitive Bidding process as per bidding guidelines issued by Ministry of Power, Govt. of India.
- As per PPA, the Scheduled Commercial Operation Dates (CoDs) of 1<sup>st</sup>, 2<sup>nd</sup> & 3<sup>rd</sup> units are 31.08.2012, 31.12.2012 & 30.04.2013 respectively. However, TSPL have intimated that the actual CODs will be 08.11.2012, 08.02.2013 & 10.06.2013 respectively.
- Mahanadi Coal Fields Ltd. Sambalpur have already issued LOA to TSPL on 14.08.08 for 7.72 MTPA coal linkage--Grade is E&F.
- 2113 acres of land acquired near Villages Banawala, Distt. Mansa.
- 100 cusec water linkage obtained from Kotla branch.
  
- Overall progress of the project : 50%

**A) TSPL have intimated that:-**

- » EPC contract awarded to M/s SEPCO Electric Power Construction Corporation, Jinan, Shandon, China.
- » Major equipments for Main plant, BOP, Coal Handling Plant, Switchyard, Ash Handling Plant, others auxiliary & essential packages ordered. Approx. 88,000MT material recd.

**i) Activities completed:-**

- » **Infrastructure Work:** Road diversion and Street lighting work completed.
- » **Civil Works:**  
Test piling, Soil investigation, Area grading in main plant, Piling work in Main Plant Area, Boiler #1,#2 & #3, ESP#1,#2 & #3 completed. Pile testing in Boiler-2 area, DM plant piling, Switch-yard, Main Power House, Chimney piling, piling work in CHP area and NDCT Unit#2(Shell) piling work completed. Boiler-1&2, DM plant & switchyard foundation work completed.
- » **BOP**
- » NDCT Unit # 1,2&3 (Internal & External) piling work, NDCT#2 ring foundation & pedestals for raker column completed. Area grading in Balance of Plant area and water purifying house completed, CWPH raft foundation work completed.

**ii) Activities under Progress:-**

- » **Infrastructure Work:** Plant Boundary wall work and Transit hostel work in progress.
- » **Civil Work:-**
  - MPH 1 & 2 foundation work and NDCT 1 & 3 ring foundation work in progress. NDCT 2 raker column construction in progress.
  - Chimney foundation:- 80% concreting work completed.
  - CWPH raft foundation work completed. wagon tippler foundation work in progress. Crusher house and CSR foundation work:- Foundation work completed.

- Raw water reservoir:- Earth work completed. PVC pipe & HDPE sheets laying started
- Railway siding work.—Inplant yard track laying completed. Work in 2 RUBs and out plant work in progress.
- HCSD system:- Civil work in progress.

» **Mechanical Work:-**

- CW pipes erection in progress.
- Boiler 2 erection:-Steam water separator erected and pressure parts welding and erection in progress.
- Boiler-1 erection:- Second tier structural erection in progress.
- DM plant equipments erection in progress
- Switchyard erection:- Gantry steel structure erection completed. Equipment structure erection in progress.
- NCB/CCB:- Structure erection in progress

iii) **Other Supporting Infrastructure & Facilities:**

- » Railway link & siding
  - ESP approval in progress by Northern Railways.
  - Inplant track laying completed. Out plant bridges, RUBs & culverts work in progress.
  - 26 TKM earthwork completed for out plant.
- » Water conveyance
  - Pump house and buffer tank civil works in progress.
- » Water reservoir
  - Excavation work completed. Precast tiles lying in progress. PVC pipe and HDPE laying in progress.
- » High concentration slurry disposal & Ash Dyke
  - Major supply orders placed and civil works is in progress.

**Manpower and Equipments at site:-**

About 5600 manpower working at site.

**B) The following Twin Moose DC on DC lines of 400 KV have been 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).
- d) 400 KV Talwandi Sabo to 400 KV Dhuri.
- e) 400 KV Mastewal to 400 KV Bala Chak Amritsar.

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



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

## Development Status of 1400MW(2x700) RAJPURA THERMAL POWER PROJECT

For October, 2011

2X700MW(1400MW) Rajpura TPP is being developed at village Nalash near Rajpura Distt. Patiala on "BOO" basis by Nabha Power Limited (owned by M/s L & T Power Development Limited w.e.f 18.01.2010, the date of PPA) under Case-2 through Tariff based International Competitive Bidding process as per bidding guidelines issued by Ministry of Power, Govt. of India.

- As per PPA, the Scheduled CODs of 1<sup>st</sup> & 2<sup>nd</sup> Units of the project are 17.01.2014 & 17.05.2014 respectively.
- South Eastern Coal Fields Ltd. Bilaspur (Chhatisgarh) issued LOA to NPL on 11.12.2008 for 5.55 MTPA coal linkage. Grade-F
- Overall progress of the project 27%

## i) Major milestones/Activities intimated by NPL:-

- » DPR for 2X700MW finalized.
- » Major equipment for main plant, BOP, Coal Handling Plant, Ash Handling Plant, others auxiliary & essential packages ordered.
- » Irrigation Deptt., Punjab Govt. allocated water linkage on 09.05.2008 & 14.07.2010 (for the revised capacity of 2x700 MW).
- » Amendment in MOEF clearance for the 2x700 MW Rajpura TPP received on 15.11.2010
- » Renewal of NOC from Punjab Pollution Control Board obtained, valid up to 19.09.2013.
- » Final Detailed Project Report (DPR) for Railway infrastructure scheme approved on 19.9.2011. PO issued to L&T-Railway Business Unit for Design, Engineering, Const. & Commissioning of Railway siding. L&T-Railway Business Unit started mobilizing at site and railway siding embankment work started inside the plant area. Procurement of Ballast and sleepers started and blanketing inside plant in progress.
- » Railway corridor:-Land acquisition for railway corridor 126.65 acre is under process. Section-IV has been issued on 15.6.2011. The land for canal corridor 1.37 acre has been identified by NPL and is under progress.
- » Tata Consulting Engineers (TCE) Ltd. appointed as Owner's Engineer.
- » Soil Investigation, Contour & Topographical Survey completed.
- » Due to change in Unit configuration, application for additional coal linkage submitted to Ministry of Coal, Govt. of India on 25.5.2010. Standing Linkage committee in its meeting dated 18.4.2011 has approved enhancement of capacity from 2x600MW to 2x700 MW.
- » Approval for Change in Land Use obtained from Chief Town Planner, Pb on 10.06.2010.
- » EPC contracts signed with M/s Larsen & Toubro Ltd. on 16.07.2010 with effective date of contract as 18.01.2010.
- » Design & Engineering work in progress- Approximately 67% completed.
- » Site offices are in place.
- » Construction Power—Temporary line disconnected and 11kV line from Sarai Banjara

Sub-station energized.

■ SITE PROGRESS

Sr No.	Name of Work	UOM	Physical Progress		
			Cumulative upto 31 <sup>th</sup> Aug.2011	During Month of Sep.2011	Cumulative till 30th Sep.2011
A	CIVIL				
I	PILING	Nos	completed		
II	PILE CAP / FOUNDATIONS				
	UNIT#1				
	1. Boiler, ESP, Fan etc.		3,242	14	3,256
	2. Mill Bay		4,101	2	4,103
	3. STG & Auxiliaries		2,478	2,723	5,201
	4. NDCT Raft		4,562	220	4,782
	UNIT#2				
	5. Boiler Fans, etc		1,184	246	1,430
	6. Mill Bay				
	7. STG & Auxiliaries				
	NDCT Raft				
	COMMON SYS				
	9. Chimney		7,722	4,569	12,291
	10. Service Building		393	137	530
	11. Control Room		1,324	143	1,467
	12. SW Yard Foundations	Nos	128	67	195
	MISCELLANEOUS				
	13. Plant Roads WBM	Sqm	21,525	0	21,525
	14. Misc. RCC	cum	131	50	181
B	STRUCTURAL				
I	FABRICATION				
	1. STG Bldg#1		2,295	72	2367
	2. Control Room Bldg.		867	83	950
	3. Bunkers#1		109	108	257
	4. STG Bldg#2		932	346	1278
II	ERECTION				
	1. STG Bldg#1		756	26	783
	2. Control Room Bldg.		68	64	131
III	BOILER #1 STRUCTURE ERECTION	Tons	2,700	1,505	4,205

IV	CW PIPE(2550-3750)				
	1. Rolling	Mtr	503	105	608
	2. Welding	Mtr	405	78	48,363
C	RAW WATER RESERVOIR				
	I Excavation	CUMx10 <sup>3</sup>	16,48,393	87,660	17,36,053
	II Embankment	CUMx10 <sup>3</sup>	2,29,472	2,250	2,31,722
	III Laying of precast tiles	SQMx10 <sup>3</sup>	82,207	17,211	99,418
D	RLY SIDING IN PLANT				
	I Earth work	CuM	14100	6000	147000
	II Blanketting	CuM	44970	7000	51970
	III Ballast	CuM	17839	1106	18945
E	COAL HANDING				
	I PCC	CUM	73	180	253
	II RCC	CUM	160	231	391
	III Fabrication(Welding)	Tons	-	80	80

ii) **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.