

MINISTRY OF POWER
PROJECT MONITORING SYSTEM

STATUS ENDING OCTOBER, 2012

PROJECT NAME	GOINDWAL SAHIB THERMAL PROJECT.
STATE/ DISTRICT	PUNJAB/TARN TARAN
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. 2452.00 CRORES (TILL OCTOBER 2012).
FCI 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 FOR 1ST YEAR)

IST. YEAR LEVELLISED.	LEVELLISED TARIFF- RS. 2.63 (ESTIMATED)
STATUS OF CEA CLEARANCE	NOT REQUIRED AS CONVEYED BY GOVT. OF PUNJAB VIDE ITS MEMO NO. 10/77/95-IP(2)/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"> ❖ 1074.515 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 37.08 ACRES WAS ISSUED ON 15.07.2011. MUTATION IS IN PROGRESS. SITE POSSESSIONS 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 17(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, CHANDIGARH 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 PRR 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 BARSIL 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. 2.46 CRORES AS DEMANDED BY THE STATE GOVERNMENT FOR TRANSFER/LEASE OF 40 ACRES OF GOVERNMENT LAND. FILE IS BEING PROCEESED AT SECRETARY LEVEL. • 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, WHICH IS EXPECTED TO BE COMPLETED BY MAY 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-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 SURVEY FOR ELIGIBLE PROJECT AFFECTED FAMILIES FOR HOUSES IN R & R COLONY. COMPANY HAS ISSUED LETTER OF INTENT (LOT) TO M/S SANDAY 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 OPEN FOUNDATION FOR P1 TO P4 PIERS COMPLETED AND FOUNDATION FOR P5 UNDER 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.

8. 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.

	<ul style="list-style-type: none"> • EXPLORATION PLAN: EXPLORATION PLAN WAS PREPARED BY CMPDIL VIDE ITS LETTER NO. CMPDIL/BD/C(231)/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 LETTER NO. 1584 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 OF FOURTEEN BOREHOLES FOR A METERAGE OF 4417 Mtrs. • 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.
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, PSERS & 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>❖ 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 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>1. 220 KV GOINDWAL SAHIB-KHASA DC LINE</p> <p>THE ROUTE SURVEYED. THE SCOPE NEEDS TO BE REVISED AS THE SPACE FOR BAY AT KHASA 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	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	FOUNDATION FOR START OF CONSTRUCTION ACTIVITY LAID ON 18.10.08. BHOOME PUJAN FOR START OF

IF CONSTRUCTIONS HAS COMMENCED	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>➤ <u>MAIN PLANT- BTG CONTRACT ON M/S. BHEL, NEW DELHI.</u></p> <p>BTG SCOPE:</p> <p><u>ACTIVITIES COMPLETED</u></p> <p>Boiler Unit# I:</p> <ul style="list-style-type: none"> • DUCT-- 641 MT/1070 MT completed. • Cast able- 60/70 MT completed. • Boiler wool- 64/74 MT completed. • Pourable refractory- 98/140 MT completed. • LDO/HFO Suction line HT completed. • Secondary Air ducting erection completed. • Boiler Unit#1- Re heater middle coil & Secondary air erection completed. • Boiler Unit#1- Non Drainable Hydro test completed. • SG Booster Pump Motor-1 & 2 No load trial run. • ID Fan Lube Oil Flushing. • FD Fan Motor-B No load trial run. • FD Fan 1B Operation. • ID Fan Motor-A No load trial run. <p>Boiler Unit# I AUX:</p> <ul style="list-style-type: none"> • Mills- 520/525 MT. <p>Boiler Unit# II:</p> <ul style="list-style-type: none"> • ESF- 2448 MT/3045 MT completed. <p>TG#I:</p> <ul style="list-style-type: none"> • ACW 3 no's motor No load trial run. • DMCW 3 no's motor No load trial run. • TG Box Up completed.

Turbine & Auxiliaries- Unit# I:

- BFPs welding and H&S completed.
- DMCW HT completed.
- CEP alignment work is completed for trial run.
- ACW HT and flushing completed.
- DMCW overhead tank and deaerator tank auxiliaries HT completed.
- LP bypass valve erected

TG#II:

- Bearing pedestals bolt stretching completed. LP turbine base plate grouting completed.
- Deaerator, LP heater, HP heater erection completed.
- HPSU erection, alignment and grouting completed.

TG Auxiliary Unit#II:

- FST welding completed.
- BFP A, BFP B final alignment and grouting completed.
- Ammonia, hydrazine & phosphate dosing systems erection completed.
- Drain cooler erection completed.

Generator:

- Base plate leveling and alignment completed.

Condenser:

- Dome walls and dome stiffeners fit up completed.
- Gen side tube support plate (14 nos) alignment completed.

Electrical & C & I:

- UPS room: Earthing work completed.

ACTIVITIES UNDER PROGRESS:

- Boiler Unit # 1: Refractory Insulation Work, ducting in progress.
- Boiler Unit # 1: Coal gate fixing and coal piping work in progress.
- Boiler Unit # 1: Instrument and Service air piping erection, Trim piping supports under progress.
- Boiler Unit # 1: Scanner air fan placed and piping, Flue gas ducting under progress.
- Boiler Unit # 1: Observation and manhole doors, Fuel oil station work under progress.

- Boiler Unit # II: BFD line piping work, APH erection, Boiler light up DUs erection under progress.
- Bowl Mills: Mill A, B, C, D & E alignment under progress.
- Bottom ash hopper erection work in progress.
- ESP Unit # I: Pass A collecting & emitting rapping mechanism, emitting rapping electrode erection, hopper corner tube erection, Transformer rectifier alignment. Insulation under progress.
- ESP Unit # II: ESP outlet to ID Fan P & Q Row alignment, Pass B-Hoppers platform work under progress.
- Turbine Unit #I: H-F/LP/IP CRO, 2 nos. pedestal torus double pin preparation, CAP welding, Erection of stop and control valves of IV and ESV valves, Exciter box preparation under progress.
- TG Auxiliary Unit# 1: Preparation of BFP lube oil flushing, Preparation of HT of condensate piping, Seal/ Leakage steam pipe line, LP Bypass valve line under progress.
- TG-II: Strand Jack erection for stator lifting under progress.
- TG bearing pedestal alignment under progress.
- Generator: Preparation of stator lifting under progress.
- Condenser Unit #I: LP extraction piping welding and H & S, Springs hinge arrangement fit up, Preparation of HT condenser under progress.
- CCR Inter-panel cabling under progress.
- Lube oil line of exciter side in progress.
- NaOH dosing skid erection alignment and grouting under progress.
- TG Unit # II: Condenser Side walls welding under progress.
- Station Transformer II: Filtration under progress.
- Boiler Light Up of Unit #I.

BOP SCORE:

ACTIVITIES COMPLETED

Power House Building Unit# II:

- MOT all equipment erection alignment and grouting completed.
- ACW/DMCW erection, alignment completed.
- Roof casting completed.
- CEP pit - pump erection completed.
- Dosing skids erection, alignment and grouting completed.

Electrical Bay:

- Boiler MCC-1 charged.
- Boiler Valve MCC-1 charged.
- PH Vent MCC-1 testing completed.
- Mill MCC-1 testing completed.
- Unit PMCC-1 charged.
- Unit PMCC-1A charged.
- Station PCC-1 charged.
- Station PCC-2 charged.
- Unit Transformer -1A (Dry type) charged.
- Unit Transformer -1A1 (Dry type) charged.
- Station Transformer -1A (Dry type) charged.
- Station Transformer -2A (Dry type) charged.
- Turbine MCC-1 charged.
- Turbine Valve MCC-1 charged.
- Station ACDB-1 charged.
- Unit-1 DCDB charged.
- N/E PMCC charged.
- Unit Charger-1A charged.
- Station Charger 0A charged.

Compressor House:

- Instrument air compressor 1 no HT motor No load trial run.
- Service air compressor 1 no HT motor No load trial run.
- Piping completed up to BHEL terminal points.

Mill Bay Unit# I:

- Fabrication & Erection Works- 16 out of 16 no's columns all lifts completed.

Mill Bay Unit# II:

- 3/5 Mill Super structure casting completed.
- 1st, 2nd tier erection completed.
- Bunker silo erection work completed.

BOP Switchgear & Transformer:

- DM Plant DCDB charged.
- Raw Water Pump House MCC charged.
- Filter Water MCC charged.
- HT Switchgear Unit-1 charged.
- DM plant Service Transformer-1 charged.

Chimney:

- Unit 1 flue can erection completed.
- Duct connection with BHEL point completed.

DMS, PT Plant:

- Dual Media Gravity Filter – Civil works 85% completed.
- Chemical House – Civil Works 80% completed.

Fuel Oil Pump House:

- FOPH Building – All the Civil works 95% completed, fencing work completed.
- HFO/LDO unloading 6 motors trail run completed.
- FOPH Transformer-1 charged.
- FOPH PMCC charged.

CKP-Civil works:

- Stacker-Reclaimer -27/27 modules casting completed,16/27 modules grade slab completed
- Crusher house- spring fixing for 1st crusher completed
- TH-1 – Wall Casting up to (-) 2 meter completed.
- TH-1 –up to 0 meter slab casting completed.
- TH-2 – Wall & Slab casting up to -3.74m level completed.
- Stock Pile work 97% completed.

CKP Fabrication & Erection Work:

- Structural Fabrication- 3593 out of 4200MT fabrication completed.
- Structure erection- 3448 MT completed.
- JNT-3- 95 % Structural Steel erection work completed.
- BCN-4- Structural steel erection work completed.
- BCN-5- Structural Steel erection work completed.
- BCN-8A/8B- Structural Steel erection work completed.
- JNT-1- 70 % Structural Steel erection work is completed.
- Crusher House- 730/741MT erection completed.

ASH Silo:

- Ash silo raft casted.

- 1 number silo column casted up to 8m level.

IDCT-I:

- 14 Cells fan deck slabs completed.
- 14 cells cylinders completed.
- Hot water pipe line hydro test completed.

Fire Water Pump House:

- Fire Water Transformer-1 charged.
- Fire Water PMCC charged.

Cooling Water Pump house:

- CW discharge valve (2300NB) erection completed with actuator.
- CW MCC charged.
- CW make up 1 no. motor trail completed.
- CW make line completed and hydro test done.

Raw Water Pump House:

- Raw Water Feed Pump Motor-3, 1 no No load trial run.

ACTIVITIES UNDER PROGRESS

Main Plant:

PHB:

- PHB Unit#1 - Window fixing in progress.
- PHB Unit#1 - Gable end cladding in progress.
- PHB Unit#1 - Grade slab work and Drain work final lift at TG 0.0 meter is in progress.
- PHB Unit#2 - Cladding at gable end under progress.
- PHB Unit#2 - C&P pit pump erection in progress.
- Air Washer Room - Reinforcement binding for 21m Slab in progress.
- Air Washer Room - Excavation in progress for Plinth Beam. Welding in progress.
- HT/LT Switchgear Testing and bus duct erection in progress.
- Compressor house - Piping work in progress, Cable tray & cabling in progress.

Transformer Yard:

- UAT-II - Erection in progress.
- ST-II - Inbar Transformer cabling work in progress.
- GT-II - Fire Wall in progress.
- Rail Bar foundation work under progress.

- IPBD erection inside TG building in progress.

Mill Bay Unit #I:

- Tripper Floor deck sheeting for tripper floor casting in progress.

Mill Bay Unit #II:

- 3rd tier & tripper floor erection in progress.
- Bunker Silo welding in progress.

Balance of Plant

Chimney:

- Hopper foundation work is in progress.

OM & PT PLANT:

- Sludge Thickener-Wall casting in progress.
- Main Clariflocculator- Mechanical& Electrical works in progress.
- Dual Media Gravity Filter- Civil works in progress.
- Chemical House -column work in progress for 11.6m Slab.

CMP:

- TH-2 - Wall work in progress.
- TH-3 -- Wall casting work under progress.
- Stock Pile Raft Slab work under progress.
- Road side storm drain work under progress.
- Crusher House -Crusher Slab casting preparations under progress.
- JNT-1 - Structural erection work in progress.
- JNT-3 - Structural erection work in progress.
- BCN-9 - Structural erection work in progress.
- Technological Structure for BCN-1, 4, 5,6,8,9 under progress.

ANP:

- Slab casting work for Ash Silo is under progress.

IDCT-2:

- Encasing work in progress.
- Fan, Motor erection is under progress.
- Riser work under progress.

	<p>HCSD Pump House:</p> <ul style="list-style-type: none"> Equipment installation work under progress. <p>Cooling Water Pump House:</p> <ul style="list-style-type: none"> CW channel -Recirculation line finishing jobs in progress. <p>FOPH:</p> <ul style="list-style-type: none"> LDO/HFO forwarding (BHEL) system erection in progress. <p>◆ NON PLANT INFRASTRUCTURE AND FACILITIES BY GVK:</p> <p>NON-EPC:</p> <ul style="list-style-type: none"> Compound wall - Construction completed Ash pond construction is in progress. Recirculation Colony work is in progress. General site development is in progress. Service building construction is in progress. Ach-In. building construction is in progress. Control Building construction is in progress. Stress construction is in progress. Railway siding construction is in progress. <p>◆ MANPOWER AND EQUIPMENT AT SITE:</p> <ul style="list-style-type: none"> There are no incidents to report.
INVESTMENT MADE TILL DATE	<ul style="list-style-type: none"> AS INFORMED BY THE COMPANY - Rs 2452.00 CRORES (TILL OCTOBER 2012).
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 KAPURTHALA BYPASS ROAD.
c. ANY OTHER ISSUE	
CRITICAL AREA	<ul style="list-style-type: none"> A TARIFF ORDER DATED 29.08.08 WAS ISSUED BY PSERC IN CASE OF PETITION NO.1 OF 2007 FILED BY M/S GVK FOR APPROVAL OF TARIFF IN WHICH PROJECT COST WAS APPROVED FOR RS. 2622.48 CRORES. 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

	<p>IS RS. 2963.81 CR.</p> <ul style="list-style-type: none"> • 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	<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 Purgab boarder. Due to this there will be an increase in project cost by about 10%. • Soil Improvement through vibro compaction is increasing the project cost. • Excess length of pile than envisaged is increasing the project cost. • Increase in soil filling quantity due to heavy settlement during vibro compaction. • Increase in cost of railway siding as approved by Northern Railways. • Railway corridor Secures 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.
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)		As per the enclosure-I
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

**BROAD STATUS OF RAJPURA POWER PROJECT
ending October,2012**

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 possession of 1.37 Acre of panchayati land is still to be given to NPL.
- Railway Land: Railway land (110 Acre) – Out of 110 Acres of railway land requirement, the possession of about 70 acre of land has been taken over by NPL. The possession of 20.16 Acre of land falling in village Jeonpura, Disst. Fatehgarh Sahib is still to be given to NPL. as partition of land is still to be done. The land owners of village Jeonpura Distt, Fatehgarh Sahib (13.26 acres) & village Basant Pura Distt. Patiala (6 acres) have filed CWPS as Hon'bl Punjab & Haryana High Court against their Land acquisition & the case is pending in the court. The next date of hearing in 14.1.2013.
- 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: 68% 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.

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 Sep. 30,2012	For the Month of Oct.2012	Cumulative till Oct. 31,2012
A	CIVIL				
I	PILING	Nos	Completed		
II	PILE CAP / FOUNDATIONS				
	UNIT#1				
1.	Boiler, ESP, Fan etc.		6769	115	6884
2.	Mill Bay		4837	Completed	4837
3.	STG & Auxiliaries		11288	768	12056
4.	NDCT Raft, racker column, pedestals		24963	2439	27402
	UNIT#2				
5.	Boiler, ESP, Fans, etc	CUM	6521	7	6528
6.	Mill Bay		4803	Completed	4803
7.	STG & Auxiliaries		6435	133	6568
8.	NDCT Raft		12728	1429	14157
	COMMON SYS				
9.	Chimney		26079	1378	27457
10.	Service Building		1669	129	1798
11.	Control Room		2761	189	2950
12.	SW Yard Foundations	Nos	Completed		
	MISCELLANEOUS				
13.	Plant Roads WBM	Sqm	25381	0	25381
14.	Misc. RCC-Water System, Drains etc	cum	41267	0	41267
B	STRUCTURAL FABRICATION				
I					
1.	STG Bldg#1	Tons	5907	83	5990
2.	Control Room Bldg.		Completed		

3	Bunkers#1		1383	83	1466
4	STG Bldg#2		2982	96	3078
II	ERECTION				
1	STG Bldg#1		5171	195	5366
2	Control Room Bldg.		1479	42	1521
3	Bunkers #1		349	89	438
3	STG Bldg#2		1026	226	1252
III	BOILER #1 ERECTION	Tons	17464	2211	19675
IV	BOILER # 2 ERECTION		12485	885	13370
V	CW PIPE(2550-3750)				
1	Welding	Mtr	2300	0	2300
2	Erection	Mtr	785	85	870
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	212767	16035	228802
II	Blanketting	CuM	71211	7612	78823
III	Sleeper laying (in plant yard)	EKTM	13	0	13
	LEAD LINE				
I	Earth work	CuM	159477	48354	207831
II	Blanketting	KM	-	-	-
III	Sleeper laying (in plant yard)	EKTM	-	-	-
E	COAL HANDING				
I	RCC	CUM	24960	2104	27064
II	Structure Erection	Tons	3356	626	3982
F	ASH HANDLING SYSTEM				
I	Ash Dyke Excavation	CuM	750648	0	750648
II	Ash Silo	CuM	1835	348	2183

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, Nakodar to 400 KV Mastewal. The transmission lines shall be erected by PSTCL

TALWANDI SABO THERMAL POWER PROJECT

Name of the Power Project	Capacity	Scheduled COD	STATUS OF THE PROJECT As per the enclosure-I
Talwandi Sabo TPP	1980MW(Gross)		
Unit-1	660MW	31.08.2012	
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	As per provisions under the Power Purchase Agreement the 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)		

**BROAD STATUS OF TALWANDI SABO THERMAL POWER PROJECT
Ending October,2012**

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

Note:- TSPL have not supplied the progress report for the month ending July, August, September and October 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	As per previous intimation by TSPL	As per latest intimation by 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: 2113 acres of land acquired near Villages Banawala, Distt. Mansa. 193 acre land for rail and water corridor has been acquired.

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	CWHH raft foundation work	Completed
26	Inclined plate filter	Wall construction completed
27	CHP-Wagon tippler,CRG # 3,5,6,10,11	Completed
28	HCS# 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	HCS D	HCS D 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 building
24.	Water purifying house	Equipment erection completed
25.	Inclined plate filter basin	Mechanical works in progress
26.	Raw water basin & pump house	Pump erection in progress.
27.	Pipe rack	Erection work in progress.
28.	Crusher house and CSR	Structure erection , SR erection in progress
29.	NCB/CCB	Panel erection in progress
30.	HCS D	Unit # 2 Dewatering bin, settling and surge tank mechanical works already completed. Pump erection in progress
31.	Instrument Air Compressor	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