

MINISTRY OF POWER
PROJECT MONITORING SYSTEM

STATUS ENDING MAY, 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 INITIALED/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. 2060.85 CRORES (TILL MAY '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 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. 10/72/95-1P(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 CHIMENY 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 OWERNS. 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 FEBURARY '2012. THE COMPANY HAS REMITTED AN AMOUND 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 JHARKAND, 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 (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 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.

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.

	<ul style="list-style-type: none"> • EXPLORATION PLAN: EXPLORATION PLAN WAS PREPARED BY CMPDIL VIDE ITS LETTER NO. CMPDI/BD/C(731)/369 DATED 06.07.2009. • BANK GUARANTEE: THE SEREGARHA MINES LIMITED (JV) HAD SUBMITTED BANK GUARANTEE ON 08.04.2008 FOR RS. 32.40 CRORES TO MOC AS REQUIRED BY THE SANCTION LETTER, ITEM NO. 2(IX). THE BANK GUARANTEE WAS FURTHER RENEWED UP TO 07.04.2012. • GRANT OF PROSPECTING LICENSE: GOVT. OF JHARKHAND GRANTED PROSPECTING LICENSE VIDE 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 OF FOURTEEN BOREHOLES FOR A MATERAGE 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, 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>❖ 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 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;	<ul style="list-style-type: none"> • <u>MAIN PLANT- BTG CONTRACT ON M/S. BHEL, NEW DELHI.</u> <p>BTG SCOPE:</p> <p><u>ACTIVITIES COMPLETED</u></p> <p>Boiler Unit# I:</p> <ul style="list-style-type: none"> • Structural erection - 3073/3627 MT. • Pressure part erection - 2515/2600 MT. • Non Pressure parts – 124/1431 MT. • DUCT - 259 MT/ 1070 MT. • Total erection - 5971 MT / 8728 MT completed. • Total joints - 13771/14000 approx. • Joints Radio graphed –1203/1203. <p>Boiler Unit# I AUX:</p> <ul style="list-style-type: none"> • FANS - 109MT/201 MT. • APH - 517MT/554 MT. • ESP - 2485 MT / 3045 MT erection completed. • Mills – 314/525MT. • Piping -184/709 MT. <p>Boiler Unit# II:</p> <ul style="list-style-type: none"> • Boiler Structural erection - 2473/3627 MT. • Pressure part erection - 1996 MT/ 2640 MT. • Non Pressure parts – 58/1431 MT. • Boiler total erection - 4512 MT / 8557 MT. • Joints Welded - 8790 / 14000. • Joints Radio graphed - 675/1090. <p>Boiler Unit # II AUX:</p> <ul style="list-style-type: none"> • ESP-- 2221 MT / 3045 MT.

Turbine & Auxiliaries- Unit# I:**Condenser**

- Condenser Tube cutting and expansion completed.
- Front and rear side dome wall placed.
- Condensate suction line completed.

Turbine

- HP & IP turbine placed in position..
- LP turbine box up completed on 30.05.2012.
- Cross around piping (CAP) in progress. Completion expected by 15.06.2012.

Generator

- Rotor threading completed on 19.05.2012.
- Seal oil unit placed (generator).

Auxiliaries

- All CEPs placed.

Electrical & C & I Unit # I:

- Station Transformer erection completed,
- Generator transformer placed on foundation, erection in progress completion by 15.06.2012.
- UAT placed on its position on 22.05.2012.

Turbine & Auxiliaries- Unit# II:**Condenser**

- Condenser erection started.

TG

- Welding of hot well and bottom plate completed
- Placement for support plates is going on.

Electrical & C & I Unit # II:

- Station Transformer Placed.

ACTIVITIES UNDER PROGRESS:

- ESP Unit # 1: Pass A- Collecting Electrodes rapping system, 3.5 Meter platform work, GD screen sheet alignment under progress.
- ESP Unit # 1: Pass B-Hoppers welding, Roof Truss & Purlins erection & welding,3.5 Meter platform

work & Internal gauging 5th field under progress.

- Boiler Unit # 2: APH columns erection, Approach platform work, Hanger risers fit up, LHS SC panels fit up and welding, Front risers, RHS WW panels fit up and welding with ring header, Trim piping and stations work, Front WW intermediate buckstay erection under progress.
- ESP Unit # II: Pass A- Hopper bottom flange welding, Roof Truss & Purlins erection & welding, Collecting Electrodes rapping system, 3.5 Meter platform work, GD screen sheet alignment under progress.
- ESP Unit # II: Pass B-Hoppers welding, Roof Truss & Purlins erection & welding, 3.5 Meter platform work.
- Duct & Supporting Structures: Tie beam erection and welding.
- Condenser Unit# I Hydro test & Neck Joint welding preparation under progress.
- HP/IP/LP Coupled run-out & LP roll check preparation under progress.
- Exciter and generator alignment under progress.
- CEP alignment Under progress.
- DMCW piping fit-up & welding- Under progress. (PGMA 80-463)
- ACW piping fit-up & welding- Under progress. (PGMA 80-463)
- BFP discharge line- welding in progress.
- BFP Suction - BFP Suction welding- Under progress.
- De-aerator Over flow line welding - Under progress.
- Water boxes drain piping under progress. (PGMA 80-401)
- Panel erection in CER Unit # I.
- BHEL Trichy, Hyderabad, Chennai, Ranipet, Bhopal, Haridwar and PEM material supply.

BOP SCOPE:

ACTIVITIES COMPLETED

Power House Building Unit# I:

- Completed.

Power House Building Unit# II:

- BFP EOT Commissioned.
- MOT room completed.

Electrical Bay:

- Grid 8A-10(D to F) – 12.5m Slab casting completed.
- Grid 8A-10 (B to F) – CER Room completed for panel erection work.

Compressor House:

- Cable trench work at 0.0 meter 80% completed.

Transformer Yard Foundation Work:

- GT-II – One number Raft Casted.
- ST-II – Fire wall work completed.
- Cable pulpit – 8/15 in Unit-1 Casted, PVC bank Duct work 70% completed.
- Burnt oil Pit – Wall Casting completed.

Mill Bay Unit# I:

- Fabrication & Erection Works- 3rd Lift completed.
- 4/5 Silos completed.
- Mill C & D super structure casting completed.

Mill Bay Unit# II:

- 16 out 16 pile cap and pedestal casting completed.
- 16 out of 16 columns first lift erection completed.

ESP Control Room Building:

- Completed.

ESP LT Transformer:

- LT transformer completed with Firewall.
- Transformer Placed on its Positions.

Switchyard

- Power & Control cable laying completed for Priority Bay.
- 100% Grid earthing and 90% equipment earthing completed.

Chimney:

- Hood slab Casting Completed at 270m level.
- Mechanical Works- 270 M platform work completed.

DM& PT Plant:

- Cascade aerator central shaft work completed
- Filter water pump house –Roof slab up to Expansion joint completed.
- Filter water Switchgear room – Roof slab casting completed.

CHP-Civil works:

- Wagon Tippler-2- Staircase work completed.

- Stacker Reclaimer- 800 out of 1000 m casting completed.
- BCN-1- Foundation casting work completed.
- ER-1- Completed upto Plinth beam

Fabrication & Erection Work

- BCN-4- 60 % erection work is completed.
- BCN-5- 95% erection work is completed.
- BCN-6 - 100 % erection work is completed.
- JNT-1- 20 % Erection work is completed.
- Crusher House- 300/730MT erection completed.
- BCN-8A/B- 80% Equipment Erection work is completed.
- JNT-2- 60% Equipment Erection work is completed.
- Apron Feeder-20% erection work is completed.

IDCT-I:

- 7 Cells up to wall beam completed.
- 7 cells cylinder completed.
- Columns up to .650 M to 3.460 M- 100 % work is completed.
- Main Beam & Transverse Beam at 3.860 M- 100% Work is completed.
- Longitudinal End Wall at 7.33 M (A & D) - 80 % Work is completed (Grid 1 to 22).
- Longitudinal End Wall at 9.615 M (A & D) - 60 % Work is completed (Grid 1 to 22).

IDCT-II:

- Longitudinal end wall at 7.33 m (A & D)- 16% completed.
- Longitudinal End Wall at 9.615 M (A & D) -16 % Work is completed.
- 1 Cell slab completed.

Cooling Water Pump House:

- Breast wall: 3/6 Nos completed. Baffle walls: 6/6 Nos completed.
- Chlorination Building-Roof Slab Casting 70% completed.

CW Channel & Pipe Line:

- Civil Works- 1168 m casting completed.

PA, FD & ID Fan & Duct Support:

- UNIT -- 2 ID Fan- Fan B Grade slab work

completed. 90 % Bottom shuttering of slab completed.

- UNIT – 2 – FD, PA Fan – "A" Foundation handed over to BHEL. Staircase in progress.

FOPH:

- FOPH Building – Completed.

River Water Intake:

- Main Well- (-) 26.50 meter out of 34.50 meter sinking completed.
- Classion-1- (-) 28.70 meter out of 28.70 meter sinking completed.
- Classion-2- (-) 33.9 meter out of 33.70 meter sinking completed.
- Pier-A (-) 28.35 meter out of 28.70 meter sinking completed.
- River Water Pipe Line -800 RM Pipe Laid and 444 RM Hydro test completed and 325 Pipe encasement completed.

Pipe Rack Foundation:

- Pipe rack 3A, 3B, 6C, 6D & 7C- 100% footing casting completed.

Pipe Rack Mechanical:

- PR-3B, 6C- 100% erection completed.
- PR-6D- 90% Completed.
- Grid C- II – 80% Completed.
- Grid C- I – 20 % Completed.

ACTIVITIES UNDER PROGRESS

Main Plant

PHB:

- PHB Unit#1-Grade slab work and Drain work final lift at TG 0.0 meter is in progress.
- PHD Unit#2-Structural erection at 31.0 m in progress.
- PHB Unit#2-Side cladding work is under progress.
- Grid 8A to 10(D to F) – Brick work&Plastering work in progress.
- Air Washer Room Unit # II- Pile Chipping in progress. 2/4 pedestals casted.
- Compressor House-15.0 m deck sheeting in progress. Cable trench work at 0.0 meter 80% completed.

Transformer Yard:

- ST-I- Fire Fighting Work around ST in progress.
- Burnt oil Pit –Slab Casting work in Progress.
- Duct Bank
- Drain Oil Piping Work.

Mill Bay Unit #1:

- Hopper erection work in progress.

Switchyard:

- Switchyard CR- Painting work in progress.
- Switch Yard Cable Trench top cover pre-casting work.
- Switch Yard Fencing work –Mesh and barbed wire fixing work in progress.

Balance of Plant**Chimney:**

- 263 M platform work in progress
- Flue can segment one in progress.
- Slip form dismantling work in progress.

DM & PT PLANT:

- DM Building-Plastering and Drains work in progress.
- Neutralization Pit –Pressure grouting work in progress.
- Inlet work for DM clarifier-HRSCC wall and slab work in progress.
- Filter Water Storage Tank- -Filter Water storage compartment wall casting under progress.
- Sludge Thickener-Wall casting in progress.
- Main Clarifloculator- Final lift along with launder wall in progress.
- Dual Media Gravity Filter- Reinforcement work in progress for slab.
- Chemical House –Ground beams and Column casting above ground level in progress.
- Connecting channel between HRSCC & FWST- Elevated channels.

CHP:

- Stack Reclaimer- Work is in progress for casting of balance 6 nos. of modules.
- Stock Pile wall reinforcement work.
- Road side Storm drain work.

	<p>WTP:</p> <ul style="list-style-type: none"> • RW Pump House- Sluice gate wall casting. • Chamber- Brickwork & Grade slab work. <p>FOPH:</p> <ul style="list-style-type: none"> • Header piping. <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. • Residential Colony work is in progress. • Fire station building 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 are no incidents to report. There is no time lost due to injury or accident during the month. 8,625,479 man hours have been completed without any injury loss time.
INVESTMENT MADE TILL DATE	<ul style="list-style-type: none"> • AS INFORMED BY THE COMPANY - Rs. 2060.85 CRORES (TILL MAY 2012).
<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</p>	<p>AS ABOVE</p> <p>RAIL LINKAGE COMPLETED & COMMISSIONED UPTO GOINDWAL SAHIB. LOCATED ADJOINING TO KAPURTHALA-TARN TARAN ROAD.</p> <p>-</p>
CRITICAL AREA	<ul style="list-style-type: none"> • 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. • 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

	<p>CASE OF PETITION NO. 3 OF 2007 FILED BY PSEB FOR APPROVAL OF AMENDED & RESTATED PPA WITH M/S GVK.</p> <ul style="list-style-type: none"> • 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.
<p>AREAS OF CONCERN</p>	<ul style="list-style-type: none"> • AREA OF CONCERN: <ul style="list-style-type: none"> • Availability of startup power. It is over delayed. <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 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%. • 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. • Delay in material supply from BHEL Trichy is affecting BTG work progress adversely in Unit#2 for the last 7 months. • Railway corridor land possession is given in Khadur Sahib Revenue village and yet to be given in Hotian and Biharipur which it results in delaying the railway siding work.
<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 & FAX NO.</p>	<p>Off: 91-40-27902663, 64 Fax: 91-40-27902665</p>
<p>ANY ASSISTANCE REQUIRED.</p>	<p>-</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	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)		

Development Status of New Thermal Power Projects ending May,2012

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

- 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: 65%**TSPL have intimated status of the project 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 & fifteen cargos from third countries.

Project Progress : Activities completed as on 31th May, 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	19 lifts completed
3	NDCT 3 raker column construction	72% completed
4	Chimney shell construction	Completed up to 25.5 m
5	Chimney unit#2 flue can fabrication	50% completed
6	MPH 1 foundation work	95% completed
7	MPH 3 foundation work	85% completed
8	Wagon tippler foundation work	Raft foundation completed, wall casting in progress
9	Comprehensive water pump house	Super structure civil work in progress
10	Service water basin # 3	Civil work completed, readiness hydro test
11	Raw water pump house	Civil structure completed
12	Raw water reservoir	65% completed
13	Railway siding	Inplant yard track laying completed, Outplant yard track lying in progress, Bridges construction in progress.
14	HCS D	HCS D Pump House # 1,2 foundation work completed. Non availability of Essentiality Certificate has delayed the package and also overall COD
Mechanical Works		
15	CW pipes erection	In progress
16	Boiler 2 erection	70% Pressure parts welding completed
17	Boiler 1 erection	30% welding completed
18	Boiler 3 erection	5 th tier structural erection in progress
19	ESP 2	Structure erection in progress, Nozzles lifting in progress.
20	MPH # 2	Structure erection 67% 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%

24.	Water purifying house	Equipment erection completed
25.	Inclined plate filter basin	Mechanical works in progress
26.	Crusher house and CSR	Structure erection in progress. SR assembly in progress
27.	NCB/CCB	Panel erection in progress
28	HCS D	Unit # 2 Dewatering bin, settling and surge tank mechanical works already completed.

*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.
- » 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- 75% 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.

Manpower & Equipments:- About 6500 manpower working at site and appx.1,31,000MT material dispatched from China.

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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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

Development Status of New Thermal Power Projects ending May,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 UTP 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.
Railway corridor:- Land acquisition for railway corridor 126.65 acre is under process. Section 6 is cleared on 12th Dec., 2011 for 106.5 acre. Award for 44.64 acres of Rajpura issued and remaining 62.46 acre of Fatehgarh Sahib is under process.
- Railway Corridor: PO issued to L&T-Railway Business Unit for Design, Engineering, Const. & Commissioning of Railway siding. Railway siding implant linking work completed. Engineering scale plan (ESP) for railway siding approved.

Overall Project Progress: 51%

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.
- » 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- 95% completed.

■ **SITE PROGRESS**

Sr No.	Name of Work	UOM	Physical Progress		
			Cumulative upto 30th April, 2012	During Month of May, 12	Cumulative till 31th May, 2012
A	CIVIL				
I	PILING	Nos		Completed	
II	PILE CAP / FOUNDATIONS				
	UNIT#1				
	1. Boiler, ESP, Fan etc.		6447	73	6520
	2. Mill Bay		4837	0	4837
	3. STG & Auxiliaries		9440	270	9710
	4. NDCT Raft, racker column, pedestals		12,588	0	12,588
	UNIT#2				
	5. Boiler, ESP, Fans, etc		6373	56	6429
	6. Mill Bay		4757	46	4803
	7. STG & Auxiliaries		5259	602	5861
	8 NDCT Raft		7587	1304	8891
	COMMON SYS				
	9. Chimney		18015	2724	20739
	10. Service Building		918	125	1043
	11. Control Room		1561	327	1888
	12. SW Yard Foundations	Nos		Completed	
	MISCELLANEOUS				
	13. Plant Roads WBM	Sqm	25131	100	25231
	14. Misc. RCC-Water System, Drains etc	cum	22271	9310	31581
B	STRUCTURAL				
I	FABRICATION				
	1. STG Bldg#1		5254	330	5584
	2. Control Room Bldg.	Tons	1500	40	1540
	3. Bunkers#1		1053	76	1129
	4. STG Bldg#2		2798	0	2798
II	ERECTION				
	1. STG Bldg#1		3501	529	4030
	2. Control Room Bldg.		1264	95	1359
	3. Bunkers #1		94	26	120
	3. STG Bldg#2		214	217	431
III	BOILER #1 ERECTION	Tons	12267	934	13201
IV	BOILER # 2 ERECTION		7268	977	8245
V	CW PIPE(2550-3750)				

1.	Welding	Mtr	2210	0	2,210
2.	Erection	Mtr	488	143	631
C	RAW WATER RESERVOIR				
I	Excavation	CUMx10^3	Completed		
II	Embankment	CUMx10^3		Completed	
III	Laying of precast tiles	SQM	349425	16347	365772
D	RLY SIDING IN PLANT				
I	Earth work	CuM	153000	-	153000
II	Blanketting	CuM	61000	-	61000
III	Sleeper laying (in plant yard)	EKTM	14	-	14
E	COAL HANDLING				
I	RCC	CUM	15867	2185	18052
II	Structure Erection	Tons	917	424	1341
F	ASH HANDLING SYSTEM				
I	Ash Dyke Excavation	CuM	623402	54084	677486
II	Ash Silo	CuM	951	583	1534

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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