

**ATHENA CHHATTISGARH POWER LIMITED**



**PROJECT STATUS  
OF  
2 X 600 MW  
SINGHITARAI THERMAL POWER PROJECT  
Janjgir-Champa District, Chhattisgarh**

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**EXHIBIT - I****ATHENA CHHATTISGARH POWER LIMITED****HYDERABAD****PROJECT STATUS****Current Status**

About 88% of the Project activity is completed and in the meantime, financial re-structuring of the Project has been taken up by the Project's Lenders lead by State Bank of India (SBI) and about 17 other Banks / Financial Institutions.

In view of the above development, the works at the Project site are stalled since April, 2016 and would be resumed immediately upon completion of the Financial Re-structuring process by the lenders.

**Major Activities:**

**Approvals / Clearances:** All statutory clearances obtained and are valid.

**Power Plant construction & Erection:**

- BTG and BOP civil works completed.
- Structure erection completed in cooling towers, track hopper, wagon tippler, tunnels, transfer points, hydro bins, etc. and associated buildings.
- About 10,600 MT of structural steel for Power House building is erected.
- About 56,000 MT of BTG material dispatched from DEC, China in 38 shipments,. Out of this 48,500 MT already received at site and erection of the same is in progress.
- Twin flue chimney wind shield along with erection of flue cans completed.
- Boiler drum for Unit # 1 & 2 erected.
- Generator Stator for Unit # 1 & 2 erected.
- Generator Rotor insertion completed for Unit#1.
- Temporary Box up for LPT-A & B completed.
- Raw water reservoir works completed
- 400kV switch yard – Equipment erection completed and testing & commissioning in progress.
- Condenser-A Tube Insertion 20124/20124completed.
- Condenser-B Tube Insertion 20124/20124completed.

- All transformers (GT's, UT's etc.) erected.
- DM plant – All civil works completed. Major equipments erection completed and 1<sup>st</sup> Stream commissioning completed
- Fuel oil system – Hydro test of HFO & LDO tanks completed.
- Unit # 1 Boiler Hydro test has been successfully completed
- Auxiliary Boiler Hydro test has been successfully completed.
- Erection of LP Heaters 5&6 completed at EL-6.9m.level in TG building.
- Erection of HP heaters 1 & 2 completed at EL-13.7m, level in TG building.

**BTG equipment manufacturing at China:**

- Manufacturing of 98.53% BTG & auxiliary equipment is completed.

**External Facilities:**

- Construction of River Water Intake Pump House completed.
- Laying of cross country pipeline completed.
- 400 kV Transmission Line 24.735 km stringing work completed and Charged.
- Railway siding works in progress.

**Quantity of work done till date:**

- Total concrete quantity – Over 1,76,000 Cum.

**Site enabling Infrastructure Works:**

- Site Offices, Fire Station, Dispensary & Visitors room, Storage sheds, Compound wall, Security Barracks, etc constructed & in operation.
- Construction of Administrative Building completed.

**Greenbelt:**

- Nursery developed at Project site.
- More than 2,50,000 saplings are planted covering about 230 Acres.
- Survival rate more than 90%
- Local & native species are preferred for plantation.

**Man Power (upto March, 2016):**

- About 2037 No's.(Including Skilled & Unskilled) working at the project site.
- About 105 Engineers and supporting staff positioned at site (ACPL & Contractors).
- 24 No's. of Engineers from DEC, DEIPL from China at site.

**Present Man Power at Site :**

- About 120 No's.(Including Skilled & Unskilled) working at the project site.
- About 90 Engineers and supporting staff positioned at site (ACPL & Contractors).

**Project Expenditure:**

- About **Rs.6150 Crores** incurred

## **CORPORATE SOCIAL RESPONSIBILITY ACTIVITIES**

ACPL has undertaken various Corporate Social Responsibility (CSR) activities as per the following details in the vicinity of the Project site. These activities have been taken up with the support and guidance of the District Administration to benefit the people of the villages in the vicinity of the project area.

The core areas covered under the CSR activities are Education & Capacity Building, Infrastructure development, Health & Family welfare, Sustainable Livelihood development, Sports and cultural development etc. The CSR activities taken up by ACPL have helped in educating people to live in better living conditions.

### **Education and Capacity Building:**

#### **1) Teaching Support to the High School**

- ACPL provided financial assistance to poor and meritorious students belonging from nearby villages are support to better education and motivation for higher education. About 630 no. of students from 1<sup>st</sup> to 10<sup>th</sup> standard for 11 different schools of nearby villages.
- ACPL provided teaching support with a qualified teacher to the Singhitari high school for Science and Sanskrit subjects due to which education level has increased and students got benefitted.
- During the teachers' day calibrations, ACPL honored 243 teachers nearby schools.
- Provide support for preparing Adhar Card to the nearest villages.
- Children Play Items are installed in 14 Schools.
- Provided 708 pair Desk-Benches to 14 Schools – about 1215 Students benefitted.
- Distribution of School Uniform, Shoes, Bags and Stationary to 7081 students.
- Conducted Inter-school Sports Tournament – above 1320 students participated.
- Organizing school level cultural program competitions – above 482 participated and awarded.
- Conducted Legal Literacy Awareness program at Nimohi village.
- Under clean and green program massive tree plantation is conducted at High School, Dhurkot.
- Providing basic Infrastructure facilities to 14 schools like compound wall, additional class room, toilet & urinals, safe drinking water, stage and play ground etc.
- Organizing the awareness programs on Spoken English Class for School Students and Youth, Personality Development Program & Career Guidance camp, Educational Film Show on various issues, sanitation awareness campaign, etc.
- Provided water tank to primary school Mironi.
- Organized school level GK competition at Odekera, 135 participated.
- Meeting held at the Zila Panchayat, Janjgir-Champa regarding “Anganwadi Gunvatta Unnayan Abhiyan” (Anganwadi Quality Improvement Campaign)

**Health & Family welfare:****1) General Free Health Camp:**

- ACPL organized Free Primary Health Checkup and Treatment Camp at Nimohi, Benipali, Singhitarai, Odekera, Saraipali, Mironi and Katharapali. As of today about 351 camps organized and over 25336 Patients have been benefited.

**2) Health checkup of school students:**

- Organized Free “Primary Health Check-ups and Treatment for School Children” at Govt. Primary and Middle Schools, Total 2431 students are benefited.
  - Organized health checkups to the students of Govt. Schools and distributed vitamin supplements to the students as advised by the Doctor.
- 3) Organized the malnutrition program for children along with the ICDS government department, 239 benefited.
  - 4) Organized Health Awareness program on Immunization for Children and Pregnant Women, 388 benefited.
  - 5) Organized Health Awareness program on Immunization for Children and Pregnant Women, 412 benefited.
  - 6) Organized Sanitation Awareness Rally at Singhitarai & Nimohi villages.
  - 7) Organized Awareness Campaigning against Swine Flu at nearby villages
  - 8) Organizing health awareness and training program about Kuposhan & Anemia.
  - 9) Organized Health and Sanitation Training for Anganwadi and Health workers.
  - 10) Organized Health Awareness Program for Adolescent Girls – 226 benefited.
  - 11) Support for Safe Drinking Water - 126 Hand pump repaired at 6 villages.
  - 12) Organizing regularly Immunization Program for Children and Pregnant Women.
  - 13) Chlorine safe treatment in hand pumps for safe drinking water.
  - 14) Fogging treatment for Malaria control at our affected villages.
  - 15) ICDS Training Program at Dabhra.
  - 16) Awareness Rally and Nukkad Natak for ODF at Singhitarai and Odekera village.
  - 17) Bal Mitra Adoption, Awareness, Debate, Educational Film Show, CEO visit under Anganwadi Gunvatta Unnayan Abhiyan”
  - 18) HIV Awareness Program and Testing at our contractors labour colony area.
  - 19) Poshan Aahar Utsav and Swachhta Tyohar Programs under “Anganwadi Gunvatta Unnayan Abhiyan”
  - 20) Awareness Rally under “Anganwadi Gunvatta Unnayan Abhiyan.
  - 21) God Bharai, Annaprasan and Awareness Program under “Anganwadi Gunvatta Unnayan Abhiyan.
  - 22) Meeting, Awareness and Village Mapping.

**Infrastructure Development**

- 1) Newly constructed community building inaugurated at Odekera and key handed over to Sarpanch Odekera Panchayat.
- 2) To meet the basic requirements of water, Hand bore pumps sets 98 no's are repaired at Singhitarai, Nimohi, Odekera, Benipali, Katharapali and Saraipali villages.
- 3) C.C.Road Constructed in Nimohi village
- 4) Construction of household toilets:
  - Activity is taken up under Nirmal Bharat Abhiyan with joint effort of ACPL and Govt. PHE Dept.
  - Construction is taken up in Singhitarai, Nimohi, Odekera, Benipali, Katharapali and Saraipali.
  - Till date, 300 toilets have been handed over & 185 toilets are under construction.
- 5) **Sanitation Drive:** Swachhta Rath visited villages to campaign for Nirmal Bharat Abhiyan & locals appreciated the efforts. CSR team also provided sanitation manual to Government PHE Department.
- 6) Sanitation Awareness program is conducted and sanitary kits were distributed in Singhitarai, Nimohi, Odekera and Saraipali on 18-06-2014 to 26-06-2014
- 7) Sanitation Awareness program is conducted and sanitary kits were distributed in Singhitarai, Nimohi, Odekera and Saraipali for 167 families.
- 8) Bridge and culvert constructed near Kotmi.
- 9) Road repair works at Sonbarsa, Salehi, Benipali kotmi roads.
- 10) Provided 300MM X-Ray machine to Govt. Hospital Dabhra.
- 11) Muktidham constructed at nimohi and Singhitarai village.

**Sustainable Livelihood Development:****1) Completion of Sewing & Designing Diploma Course to women:**

- Certificates distributed to women who completed "Sewing and Designing Diploma Course" with the affiliation of USHA International at Odekera village.

**2) Bhavishya Bharat Foundation:**

- ACPL has tied up with Bhavishya Bharat Foundation (BBF) for carrying out the Youth Training Center and E-Learning cum Knowledge Center programs in the Project villages of the Singhitarai Thermal Power Project for an amount of Rs.460.00 Lakhs for carrying out above activities as per the MOU signed with M/s.Bhavishya Bharat Foundation.
- M/s.Bhavishya Bharat Foundation (BBF), is an NGO managed by Lt Gen (Retd.) Hari Prasad, former GOC- in - C Northern Command, Indian Army. BBF aims at promoting integrated and inclusive development by establishing and implementing social, economic and environmental development projects in areas witnessing the high infrastructure development. BBF is currently carrying out CSR activities outlined in the Local Development Action Plan (LADP) for the Teesta Urja Limited, HEP etc.



**3) Goat distributions:**

- For tribal welfare, CSR team distributed 10 pairs of Goats to tribal families for breeding, which ensures their livelihood. ACPL has taken up this activity as a pilot project to develop and produce hybrid Goat center in future. This activity is already included in scheme and programs for up-liftment of sustainable livelihood of tribal families in the project area under Environmental Clearance.

**4) Meeting with SHG's:**

- ACPL organized regular meetings with local self help groups to motivate and encourage the women for self employment.

**5) Fruit Saplings and Vegetable Seed Distribution**

- ACPL has distributed Hybrid Fruit Saplings like Lemon, Guava, Jack fruit (Kathal), Jamun, Papaya, Drum Stick (Munga) and Vegetable Seeds like Lady Finger, Cauliflower, Muli, Green Chili in Nimohi, Singhitari, Odeker and Benipali villages at self help groups and farmers.
- Organized Farmers Awareness Program at Odeker and Fruit and Vegetable Sapling Distributed to 122 families.
- Provided Tent items, Furniture items and cooking utensils to Junvani village for community purpose all these items are required for various social programs.  
49 House-hold toilet constructed and handed over to BPL families, till date 352 completed.
- Celebrated 8<sup>th</sup> March, 2017 International Women's Day.

**Sports and Cultural Development****1) Financial assistance for State Level Women's Football Tournament, Sakti:**

- District Football Association, Sakti has organized State Level Women's Football Tournament at Sakti stadium from 11.12.2013.
- Total 16 teams participated in this tournament from 16 districts.
- Organizing and providing financial support for various sports tournaments like Cricket, Volleyball, Football, Kabaddi etc. at project affected villages, surround villages, blocks and districts for encouragement to local youth.
- Sports Items/Kits are distributed to Govt. high Schools near Dhorkot.
- ACPL CSR Department has provided financial support to 21 pooja committees of our surrounding villages for traditional Durga Pooja.
- Provided financial assistance for Folk Art and Dance Program at Singhitari.

- Villagers and youth groups has organized District Level Cricket Tournament at Mironi between 10-19<sup>th</sup> Nov 2015. Athena Chhattisgarh Power Limited has been provided financial assistance for tournament under CSR activity.
- Nagrik Ekta Manch Adhbhar has organized 16th State Level Senior Man's & Womens Kabaddi Tournament at Adhbhar between 16 – 18 Nov. 2015. Athena Chhattisgarh Power Limited has been provided financial assistance for tournament under CSR activity.

**2) Financial assistance for social committees, Traditional and Sports Organizers :**

- Organized Tennis ball cricket Tournament at Odekeri village
- Financial support to various social committees and Singhitarai village for organize social and Traditional program at their villages.

**Other activities**

- 1) Distribution of cooking pots & utensils to the Self help groups of Junwani village for their social and religious works.

**2) Celebration of Republic Day:**

- Celebrated Republic Day at our plant site and villages.
- CSR team participated in the school programs and distributed sweet & refreshment to 9 Primary, 4 Middle, 1 High Schools and 9 Anganwadi centers belonging to the villages of Singhitarai, Nimohi, Odekeri, Benipali, Katharapali , Saraipali and Mironi.

**3) Celebration of World Environmental Day:**

- Organized school level awareness program and Competitions on the Occasion of World Environmental Day, 5<sup>th</sup> June 2016 at STPP site.

**PICTORIAL TREATISE**

**OF**

**STATUS OF THE**

**2 X 600 MW**

**SINGHITARAI THERMAL POWER PROJECT**

**Janjgir-Champa District, Chhattisgarh**

**MAY, 2017**

**ATHENA CHHATTISGARH POWER LIMITED**

**HYDERABAD**



**PHB #1 – Civil, Mechanical, Electrical, C & I works in progress**



**PHB #2 – Brick Works and Plastering Works are in Progress**



**Boiler # 1 – Flue gas ducting works under progress**



**Boiler #2 – Erection of Structural steel & Platform is in progress**



**Boiler #1 - Refractory work under progress**



**PHB - Critical Piping works in progress**



**TG #1 - HIP Turbine Temporary Box up & Generator rotor insertion completed.**



**TG #2 – LP Turbine Temporary placement of lower & upper outer casings are completed**





**PHB – CCR Tiles Fixing & False ceiling works are completed**



**PHB - DCS Panel erection completed in CCR**



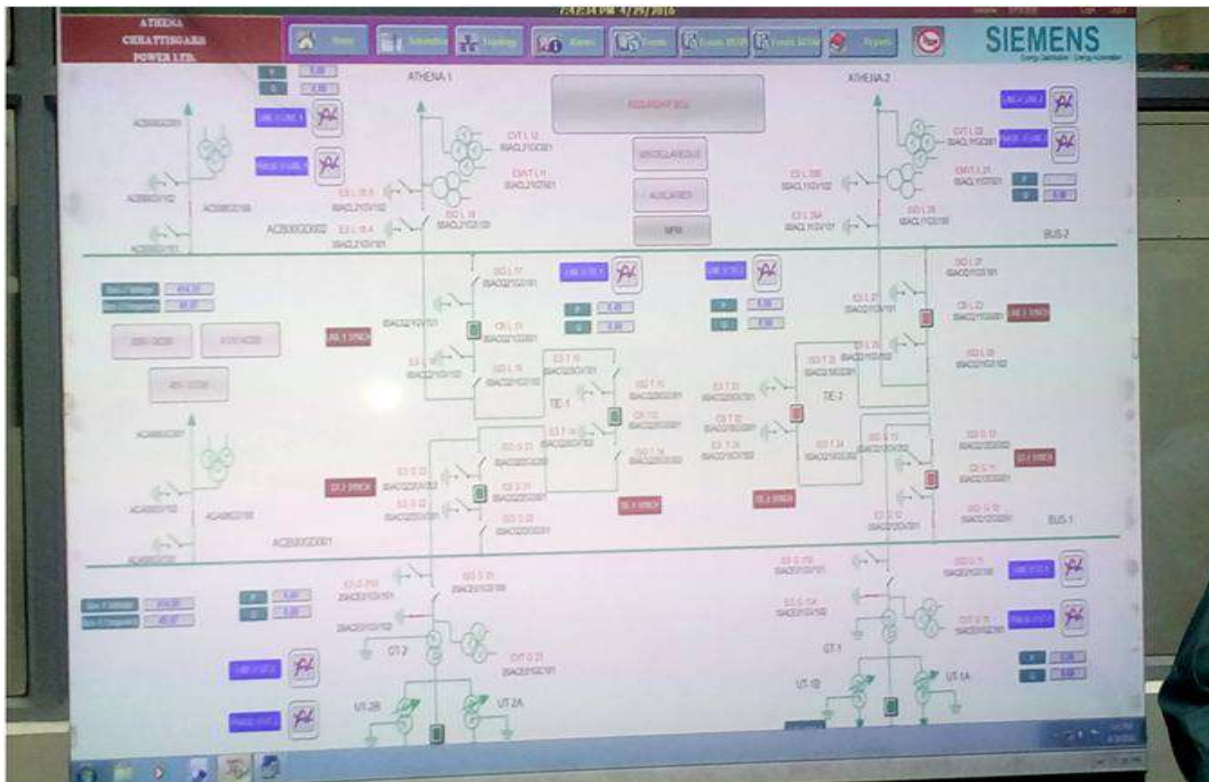
**Bunker # 1A – Painting and cladding work in progress**



**Bunker # 1B– Hopper S.S Liner plate erection and welding in progress**



Switchyard - Isolator closing Arc



Switchyard - SLD Display on LVS



**PA & FD Fan – Alignment of Motor, bearing housing in PA Fan under progress**



**CW Pump house – Cable laying is in progress**



**IDCT # 1&2 - Tip Clearance 5 /22 completed**



**Effluent treatment plant - Cable laying and termination completed.**



**Compressor House – Pipe Line welding in progress**



**Pipe rack - Fabrication/Erection of Support Structure**



**Track Hopper MCC - Cable termination works in progress**



**BCN 6A/6B – Lighting works are completed**





**Crusher House - Cladding works in progress**



**CHP MCC - Cable laying and termination works under progress**



**Wagon Tippler – Cable laying is in progress.**



**Compressor house CHP - Civil works in progress**



**TP # 3 – Drive unit erection in progress and alignment is in progress**



**TP #4 – Chute erection completed**



**TP #5 – Erection of floor beam & Staircase is in progress**



**Ash pipe rack - Erection of trestle & galleries are in progress**



**Hydro bins – Fabrication & Erection of structure in progress**



**E & M building – All works completed**



**Raw Water Pump House - Power and control cable laying for CW makeup pumps under progress**



**Raw water MCC Room - OFC laid from IDCT to Raw PLC**



**Raw water Reservoir - All works completed**



**River water Intake pump house – All Major equipment erection completed**



**Electrical building at River end - PLC & UPS powered up completely**





**400kV Transmission Line Charged**



**PGCIL Bay**



**Railway siding –Linking works under progress**



**Admin Building – Finishing works are in Progress**



**Residential Colony – Completed**

## **GREENBELT**



**A VIEW OF GREEN BELT AT POWER BLOCK AREA**



**A VIEW OF GREEN BELT AT POWER BLOCK AREA**



**A VIEW OF GREEN BELT AT POWER BLOCK AREA**



**A VIEW OF GREEN BELT AT POWER BLOCK AREA**



**A VIEW OF GREEN BELT AT CHP AREA**



**A VIEW OF GREEN BELT OUTSIDE APPROACH ROAD**



**VIEW OF NURSERY AT PROJECT SITE**

**CORPORATE SOCIAL RESPONSIBILITY (CSR)**



**Health Check-up of school children**



**Primary Health Check-up and Treatment Camps**





**Immunization Program for Children and Pregnant Women**



**Plantation in High School at Dhurkot**



**Primary Health Check-up and Treatment Camps**



**Sanitation Awareness Program and Kit Distribution**



**Program for Kuposhan Mukti Abhiyan**



**Parents meeting and Health Awareness Program**



**Sports Items Distributed to Govt. H.S.School Dhorkot**



**Provided Support for Registering of AADHAR CARD**



**Provided support for Cricket Tournament**



**Provided House-Hold Toilets**



Hand Pump Repaired



Sanitation Awareness Program and Kit Distribution



**Meritorious Scholarship Distribution to Students**



**Honoured Teachers**



Rojgar Mela at Janjgir Champa



Sanitation Awareness Rally





Legal Literacy Awareness Program

## महत्वपूर्ण सूचना

पीलिया एवं स्वाइन फ्लू से डरें नहीं, सावधान रहें

☞ जानकारी ही बचाव है ☜

पीलिया (वायरल हेपेटायटिस)	स्वाइन फ्लू (इन्फ्लुएंजा ए एवाएना)
<ul style="list-style-type: none"> <li>• पीलिया प्रमुखित्वात जल व भोजन के संपर्क से फैलता है।</li> <li>• गर्भवती महिलाओं एवं बच्चों को अधिक सावधान रहना जरूरी है।</li> <li>• पीलिया को प्रमुख लक्षण हैं:                     <ul style="list-style-type: none"> <li>• भूख न लगना, पीले रंग दिखना होता, जिस में दर्द होता, उल्टी लगना या होना, कमजोरी व थकावट का अनुभव होना, पेट में दर्दित नरक ऊपर की ओर बढ़े होना, आंखें और लम्बा का रंग पीला होना।</li> </ul> </li> </ul> <p><b>पीलिया से बचाव के उपाय</b></p> <ul style="list-style-type: none"> <li>✓ पीने का पानी 20 मीटर तक उबाल कर पीने।</li> <li>✓ 20 लीटर पीने के पानी में 1 क्लोरीन गैली गीस का डालने एवं 30 मीटर पर्यन्त उपयोग करें।</li> <li>✓ शरीर को पर्याप्त रूप से धोने का सावधान से धोने।</li> <li>✓ खुली में रट्टी वाली व रट्टी वाली खाद्य सामग्री का सेवन न करें।</li> <li>✓ शरीर को चिकित्सकसह ले जाने हेतु 108 एम्बुलेंस सेवा का उपयोग करें।</li> <li>✓ पीलिया को संसर्ग से जानकारी हेतु 104 पर संपर्क कर सकते हैं।</li> </ul>	<ul style="list-style-type: none"> <li>• स्वाइन फ्लू (इन्फ्लुएंजा ए एवाएना) उपकरण संक का संक्रामक रोग है।</li> <li>• यह बीघारी तथा की द्वारा फैलती है।</li> <li>• स्वाइन फ्लू के लक्षण बीघारी फ्लू के तरह ही होते हैं जैसे- बुखार, सर्दी, खांसी, छींक, जलजल, गले में खराब, जिस दर्द, जलन दर्द, ठंड लगना और संक्रमण की संक्रामक होती है।</li> <li>• उल्टी, दस्त एवं पेट दर्द भी हो सकता है एवं गंभीर सर्जरी में निज सुधार एवं संचालन से संक्रामक होती है।</li> </ul> <p><b>स्वाइन फ्लू से बचाव के उपाय</b></p> <ul style="list-style-type: none"> <li>✓ स्वाइन फ्लू से डरने की जरूरत नहीं, किन्तु सावधान रहना जरूरी है।</li> <li>✓ खांसी एवं छींकाते समय अपने मुँह एवं नाक को कपड़ा या टैपु गैज से ढाँके।</li> <li>✓ खांसी या छींकाते वाले व्यक्ति से दूरी से बात एक हाथ धुएँ।</li> <li>✓ बीघू की बचती पर जाने से बचें।</li> <li>✓ अपने हाथों को साबुन-पानी से धुने एवं पानी से धोने से।</li> <li>✓ पर्याप्त नींद ले, सावधान से खाने एवं शारीरिक क्रम से सक्रिय रहें।</li> <li>✓ पर्याप्त मात्रा में खाने एवं जल सेवन पर्याप्त और चिकित्सक संपर्क कर लेना जरूरी।</li> <li>✓ स्वाइन फ्लू के लक्षण हो तो सुदूर निकट को उपचारण से दर्द एवं उपचार कराएँ।</li> </ul>

आनुवंशिक से उपचारण करके उपचारण है, बहुत ही उपचारण से 3-5 घण्टा केतर रोग रहता है और एक सप्ताह तक आराम में उपचारण एक पीठकी तक ले और हर 2-2 घण्टे में उसे सुनने पर उपचारण कराएँ फ्लू को भीतरण कर सकते हैं।

संक्रमण :- अथेना इन्टीसगद पावर लिमिटेड, सी.एस.आर. विभाग

पीलिया एवं स्वाइन फ्लू से संक्रमण से अधिक जानकारी हेतु 104 टोल फ्री नम्बर पर 07772-2236611 पर संपर्क करके उपचारण कर सकते हैं।

Awareness Campaigning against Swine Flu