

## **Inviting Expression of Interest (EOI) FOR REPAIRING AND O/H JOB OF LOCOMOTIVE -26 AT BK.TPP**

In this regard, **Bakreswar Thermal Power Project (BkTPP)** invites application for Expression of Interest (EOI) in the first phase; technical bids from the short-listed EOI applicants would be invited in the second phase, financial bids would be invited from the short-listed technical bidders and suitable applicant would then be selected for award of the contract.

1. The application form for Expression of Interest **Annexure – A**. Is issued from the contract cell Administrative building 3<sup>rd</sup> floor room No: 45 or Down load from Net. Interested parties submit the duly filled in application form along with all relevant supporting documents including the application fees Non-refundable Demand draft or pay order amounting Rs 500.00 (Rupees five hundred) only drawn in favor of “The West Power Development Corporation Ltd” payable at any nationalized/schedule, bank/ at Suri or United Bank of India, Bk.T.P.P. EOI shall not be issued against cash/cheque/money order.
2. Interested parties can submit the duly filled in application form along with all Relevant supporting documents Sending To DGM(M&C),Administrative Building,(2<sup>nd</sup> floor),BkTPP,  
Birbhum,731104
3. The last date for receipt of EOI is **30.10.2013 (Annexure-A)**
4. At any time before the submission of EOI, the Authority may for any reason, whether at its own initiative or in response to a clarification requested by the service provider, carry out amendment(s) to this EOI document. The amendment will be made available in our website ([www.wbpdcl.co.in](http://www.wbpdcl.co.in)) and will be binding on them. The Authority (WBPDC) may at its discretion extend the deadline for the submission of proposals.
5. The Authority has a process to shortlist the interested parties and only the short-listed parties would be called for technical bids and the parties would require making a presentation before the Technical Committee of the Authority. The technical bid may be as per format given **Annexure B**. The  
The Pre-bid meeting of all the Technical Bidders (the short-listed EOI applicants) will be convened at the Authority .The purpose of this meeting will be to clarify the requirements as envisaged by the Authority and also to address the queries if any, of the Technical bidders.
6. An overview of the existing status of the works being done in the portal and enhancements required have been made available in this document. Any other available information, to the extent possible, will be provided to the short listed bidders to facilitate their Technical presentation.

7. The chronological events for the entire bidding process would be as follows:

|                                                               |                                                          |
|---------------------------------------------------------------|----------------------------------------------------------|
| Last date for submission of EOI (Annexure – A)                | <b>30.10.2013 (Annexure-A)</b>                           |
| Pre-bid meeting                                               | Date commence after short listing<br><b>(Annexure-A)</b> |
| Last date of submission of Technical Bids                     | Date commence after (Pre-bid meeting)                    |
| Technical Presentation                                        | Date commence after (submission of Technical Bids)       |
| Last date of submission of Financial Bids As per Annexure – D | Date commence after Technical Presentation               |

8. The Authority reserves the right to accept or reject any application without assigning any reason there for.
9. Bids that are incomplete in any respect or those that are not consistent with the requirements as specified in this document or those that do not adhere to formats, wherever specified may be considered non-responsive and may be liable for rejection and no further correspondences will be entertained with such bidders.
10. Canvassing in any form would disqualify the applicant.
11. The Authority would select the suitable party for the execution of supply, delivery and applications of Coal Combustion Catalyst.
12. The selected Bidder is expected to commence the Assignment on the date specified in the Work Order.
- 13 Issue of EOI document: the EOI documents from Contract cell, Administrative Building (4<sup>th</sup> Floor Room No: 45)

**S/d**  
**(M. K.Bhakta )**  
**DGM(M&C)**  
**BkTPP/WBPDCL.**

**EXPRESSION OF INTEREST FOR REPAIRING AND O/H****JOB OF LOCOMOTIVE-26 AT Bk.TPP.**

Expression of interest are invited for supply of missing locomotive items and thorough overhauling of BHEL make 1400HP B.G. Co-Co D.E. LOCOMOTIVE for BAKRESWAR THERMAL POWER PROJECT from the Original Equipment Manufacturers or their authorized partners or from any reputed Service providers of BHEL locomotives. The missing items from the locomotive are listed below and thereafter the scope of work is added. However, in any case, if it is observed that extra items missing beyond the mentioned list below after actual dismantling, then that will be added to the vendor's scope of supply.

**The missing items to be supplied are as follows:**

**CONTROL CABINET-I**

| Sl.no. | Missing items |                          |
|--------|---------------|--------------------------|
| 1      | ERR           | ENGINE RUN RELAY         |
| 2      | TRB           | TRANSFORMER RESISTOR BOX |
| 3      | MUSR          | MU STOP RELAY            |
| 4      | VR            | VOLTAGE REGULATOR        |
| 5      | RCD           | REVERSE CURRENT DIODE    |
| 6      | TACHOMETER    | TACHOMETER               |
| 7      | WSR1          | WHEEL SLEEP RELAY1       |
| 8      | WSR2          | WHEEL SLEEP RELAY2       |
| 9      | WSR3          | WHEEL SLEEP RELAY3       |
| 10     | LWLR          | LOW WATER LEVEL RELAY    |

**CONTROL CABINET-II**

| Sl.no. | Missing items         |                             |
|--------|-----------------------|-----------------------------|
| 1      | CTB                   | TERMINAL BOARD              |
| 2      | CTB                   | TERMINAL BOARD              |
| 3      | BS                    | BATTERY SWITCH              |
| 4      | S1                    | POWER CONTACTOR 1           |
| 5      | S21                   | POWER CONTACTOR 21          |
| 6      | S31                   | POWER CONTACTOR 31          |
| 7      | LAR                   | LOAD AMMETER RESISTOR       |
| 8      | BAS                   | BATTERY AMMETER SHUNT       |
| 9      | GF1                   | GENERATOR FIELD CONTACTOR 1 |
| 10     | GF2                   | GENERATOR FIELD CONTACTOR 2 |
| 11     | CK                    | CRANKING CONTACTORS         |
| 12     | FCP                   | FIELD CONTROL.PANEL         |
| 13     | POTENTIAL TRANSFORMER | POTENTIAL TRANSFORMER       |

|    |          |                    |
|----|----------|--------------------|
| 14 | LAS      | LOAD AMMETER SHUNT |
| 15 | REVERSER | REVERSER           |

**CONTROL DESK-1**

| Sl.no. | Missing items                 |                                  |
|--------|-------------------------------|----------------------------------|
| 1      | MCB-1                         | MINIATURE CIRCUIT BREAKER-1      |
| 2      | MFPB-1                        | CIRCUIT BREAKER FOR FUEL PUMP -1 |
| 3      | MUSS-1                        | MU STOP RELAY-1                  |
| 4      | LA-1                          | LOAD AMMETER-1                   |
| 5      | START-1                       | START PUSH BUTTON-1              |
| 6      | STOP-1                        | STOP PUSH BUTTON-1               |
| 7      | LED PANEL-1                   | LED PANEL-1                      |
| 8      | MASTER CONTROLLER-1           | MASTER CONTROLLER-1              |
| 9      | GL-1                          | GAUGE LIGHT1                     |
| 10     | SAND-1                        | PUSH BUTTON                      |
| 11     | HORN-1(HT)                    | PUSH BUTTON                      |
| 12     | HORN-1(HT)                    | PUSH BUTTON                      |
| 13     | Control Desk Cover(Below)     | Control Desk Cover(Below)        |
| 14     | A9/SA9 (with piping)          | PNEUMATIC VALVES                 |
| 15     | MR/BC/FP/BPNRNTP(With piping) | PRESSURE GAUGE                   |
| 16     | Wiper motor Switch            | Wiper motor Switch               |
| 17     | Forward+Reverse Handle        | Forward+Reverse Handle           |

**OPERATOR CABIN**

| Sl.no. | provision      | Missing items  |
|--------|----------------|----------------|
| 1      | FAN (2 Nos.)   | FAN (2 Nos.)   |
| 2      | LIGHT (2 Nos.) | LIGHT (2 Nos.) |
| 3      | SEAT (2 Nos.)  | SEAT (2 Nos.)  |

**CONTROL DESK-II**

| Sl.no. | Missing items |                                 |
|--------|---------------|---------------------------------|
| 1      | MCB-2         | MINIATURE CIRCUIT BREAKER-2     |
| 2      | MFPB-2        | CIRCUIT BREAKER FOR FUEL PUMP-2 |

|    |                                |                           |
|----|--------------------------------|---------------------------|
| 3  | MUSS-2                         | MU STOP RELAY-2           |
| 4  | LA-2                           | LOAD AMMETER-2            |
| 5  | START-2                        | START PUSH BUTTON-2       |
| 6  | STOP-2                         | STOP PUSH BUTTON-2        |
| 7  | LED PANEL-2                    | LED PANEL-2               |
| 8  | GL-2                           | GAUGE LIGHT               |
| 9  | SAND-2                         | PUSH BUTTON               |
| 10 | HORN-2(HT)                     | PUSH BUTTON               |
| 11 | HORN-2(HT)                     | PUSH BUTTON               |
| 12 | Control Desk Cover(Below)      | Control Desk Cover(Below) |
| 13 | A9/SA9 (with piping)           | PNEUMATIC VALVES          |
| 14 | MR/BC/FP/BPNRIVTP(With piping) | PRESSURE GAUGE            |
| 15 | Wiper motor Switch             | Wiper motor Switch        |
| 16 | Forward+Reverse Handle         | Forward+Reverse Handle    |

#### CONTROL EQUIPMENT PANEL

| Sl.no. | Missing items       |                            |
|--------|---------------------|----------------------------|
| 1      | WSB                 | BUZZER                     |
| 2      | MCO                 | MOTOR CUTOFF SWITCH        |
| 3      | ECS                 | ENGINE CONTROL SWITCH      |
| 4      | ALG                 | ALARM GONG                 |
| 5      | BVM                 | BATTERY VOLTMETER          |
| 6      | GRCO                | GROUND RELAY CUTOFF SWITCH |
| 7      | SPEED INDICATOR(SI) | SPEED INDICATOR(SI)        |
| 8      | BA                  | BATTERY AMMETER            |
| 9      | LPB1                | CAB FAN CIRCUIT BREAKER1   |
| 10     | LPB2                | CAB FAN CIRCUIT BREAKER2   |
| 11     | DLCB                | DOME LIGHT CIRCUIT BREAKER |
| 12     | HLPB                | HEAD LAMP BREAKER          |
| 13     | FPB                 | FUEL PUMP BREAKER          |
| 14     | LPS1                | LIGHTING SWITCH1           |
| 15     | LPS2                | LIGHTING SWITCH2           |
| 16     | LPS3                | LIGHTING SWITCH3           |
| 17     | LPS4                | LIGHTING SWITCH4           |

|                          |      |                            |
|--------------------------|------|----------------------------|
| 18                       | LPS5 | LIGHTING SWITCH5           |
| 19                       | LPS6 | LIGHTING SWITCH6           |
| 20                       | LPS7 | LIGHTING SWITCH7           |
| 21                       | CFS1 | CAB FAN SWITCH1            |
| 22                       | CFS2 | CAB FAN SWITCH2            |
| 23                       | AGFS | AUX GENERATOR FIELD SWITCH |
| 24                       | MB1  | MAIN CIRCUIT BREAKER1      |
| 25                       | MB2  | MAIN CIRCUIT BREAKER2      |
| 26                       | GRCO | GROUND RELAY CUTOFF SWITCH |
| 27                       | MTB  | TERMINAL BOARD             |
| <b>PNEUMATIC CONSOLE</b> |      |                            |

**Sl.no. Missing items**

|                                 |       |                                 |
|---------------------------------|-------|---------------------------------|
| 1                               | IBCTB | BRAKE CONSOLE<br>TERMINAL BLOCK |
| <b><u>AIR BREAK CONSOLE</u></b> |       |                                 |

**Sl.no. Missing items**

|   |                  |                  |
|---|------------------|------------------|
| 1 | MU-2B VALVE      | MU-2B VALVE      |
| 2 | C-2W RELAY VALVE | C-2W RELAY VALVE |
| 3 | Console Piping   | Console Piping   |

**VACUUM BRAKE CONSOLE**

|        |                |                |
|--------|----------------|----------------|
| Sl.no. | Missing items  |                |
| 1      | Console Piping | Console Piping |

**BATTERY BANKS**

|        |               |                                                   |
|--------|---------------|---------------------------------------------------|
| Sl.no. | Missing items | Sl.no.                                            |
| 1      | Battery Bank  | 450 AH VRLA Type Battery<br>Bank of reputed make. |

**REAR + FRONT LIGHTING**

|        |               |              |
|--------|---------------|--------------|
| Sl.no. | Missing items |              |
| 1      | Hood Light    | Hood Light   |
| 2      | Marker Light  | Marker Light |

**Aux Generator, Blower and alternator**

| Sl.no. | Missing items               |                                           |
|--------|-----------------------------|-------------------------------------------|
| 1      | Wiper Motor                 | 2 nos require to change                   |
| 2      | Aux Generator               | Aux Generator                             |
| 3      | Blower Pulley, V belt       | Blower Pulley, V belt of Aux Generator    |
| 4      | Rectifier                   | Complete rectifier assembly of alternator |
| 5      | Main Alternator Front Cover | Main Alternator Front Cover(DE Side)      |
| 6      | Exciter terminal Box        | Exciter terminal Box                      |

**ENGINE(CUMINS,KTA-50L)**

| Sl.no. | Missing items       |                                         |
|--------|---------------------|-----------------------------------------|
| 1      | EMTB                | Engine Terminal Box                     |
| 2      | AC Element          | 2Nos AC Element                         |
| 3      | MPU                 | Magnetic Pick Up switch                 |
| 4      | Oil Pressure Switch | Oil Pressure Switch                     |
| 5      | OSW                 | Over Speed Switch                       |
| 6      | Fuel Pump           | Fuel Pump Assembly with Spider Coupling |
| 7      | Hose and Elbow      | All Hoses and elbow                     |
| 8      | Self Starter        | 2 Nos Self Starter(64V)                 |
| 9      | MS-1                | Magnetic Switch -1                      |
| 10     | MS-2                | Magnetic Switch -2                      |
| 11     | Water Safety        | Water safety sensor                     |

**EXPRESSOR**

| Sl.no. | Missing items      |                           |
|--------|--------------------|---------------------------|
| 1      | Distribution gauge | Distribution gauge        |
| 2      | Expressor Cooler   | Expressor Cooler          |
| 3      | Hose               | Oil hose                  |
| 4      | HPS-1 and HPS-2    | Hydraulic Pressure Switch |

**Traction Motor**

| Sl.no. | Missing items    |                            |
|--------|------------------|----------------------------|
| 1      | Carbon brush     | All carbon brush           |
| 2      | Inspection cover | All 6 nos Inspection cover |
| 3      | Output cable     | All output cable           |

## Axle

| Sl.no. | Missing items  |                |
|--------|----------------|----------------|
| 1      | Axle Generator | Axle Generator |
| 2      | Bellow         | All Bellow     |
| 3      | Sander Pipe    | Sander Pipe    |

## ELECTRICAL

### TRACTION MOTOR OVERHAULING.

(After taking out from Truck)

1. Complete air blowing of the Motor.
2. Separation of Armature and Magnet frame.
3. Removing of driving gear from Armature.
4. Gear side face removing and bearing removing, inner race removing (If require gas heating may be applied).
5. Armature shaft cleaning and commutator machining (if required ) otherwise stoning before dismantling is done.

#### Armature treatment.

- a. Compressed air blowing.
  - b. Commutator undr-cutting and 'V' cutting.
  - c. Grooving, polishing and air blowing.
  - d. Drop test / short test.
  - e. Orion spraying and cleaning and then air blowing.
  - f. Kept in oven for drying and IR improvement.
  - g. After IR checking iner race is fitted and then bearing, retaining collar etc. fitted.
6. Blowing with compressed Air.
    - a) Checking of IR (initial).
    - b) All holders and Carbon brush are to be removed.
    - c) Polishing of Holder with water paper and then cleaned b y Orion.
    - d) All fitted and Inter pole to be checked, joint checking and cleaning.
    - e) Orion spraying inside magnet frame.
    - f) Drying b y air and then hot blower/oven.
    - g) Commutator side bearing and inner race to be removed, cleaned and new fitted (If required Orion may used).
    - h) Fitting of Bearing face of Commutator side.
    - i) Mountings all holders.
  7. Box-up of Armature in Magnet frame.
    - a) Gear side face bolts tightness and hammering by nylon hammer.
    - b) After face bolts tightness, Motor is kept on the face for RUN TEST.
    - c) If run test is satisfactory, then gear is fitted ( if required heating may be applied).
    - d) Finally RUN T EST, RPM and Tempering are recorded.
  8. Insulating of all cables is done by proving Rubber sleeves.

### TRACTION ALTERNATOR OVERHAULING.

1. After separating from driving shaft Rectifier, Traction Alternator may be taken out.

#### Treatment:

- a) Compressed air is to be blown at 6 kg/cm<sup>2</sup>
  - b) Excitation gear up is to be taken out.
  - c) Stator and Rotor is to be separated.
  - d) Stator to be Orion sprayed, dried and kept in Oven/Hot air is to be blown.
  - e) Bush with Ball bearing is taken out, changed and refitted after cleaning.
  - f) Rotor is also to be cleaned and Orion sprayed.
  - g) Inner race is to be taken out.
  - h) Shaft treatment is to be done. ( if necessary).
  - i) Power diode mounted on rotor shaft is to be cleaned and IR to be checked, further insulating is done ( if required ).
2. Assembling is to be done.

### MASTER CONTROLLER (OVERHAULING)

- a) All spares from both master controllers are to be taken.
- b) All finger contacts are to be flexible and fixed and polished.
- c) Cleaning to be done by Orion after air blowing.
- d) Gear cleaning to be done.
- e) Reverse handle movement is to be checked, if required rectification is to be done accordingly.
- f) All finger contact is to be fitted after lubrication.
- g) Operation to be checked.
- h) Reverse fitted and connected.
- i) All toggle switch to be changed.
- j) All connection terminals socket and wire checking to be done, and rectification as per requirement.
- k) Head light switch to be changed.
- l) Flasher unit checking and attending.
- m) Changing of Reverse switch.
- n) Greasing of gear.

### RADIATOR FAN SYSTEM.

- a) Dismantling of hydraulic parts and overhauling to be done.
- b) Overhauling of hydraulic motor and bearing replacement as per requirement.

### STABILISING PANEL (OVERHAULING)

- a) Removing of panel.
- b) All short bars open out.
- c) Valve of each is to be checked.
- d) Cleaning to be done by Orion.
- e) Changing of defective valve.
- f) Re-connection is to be done (short bars fitted.)
- g) Placed on panel and connection done.

### HEAVY WORK:

1. Extraction of Engine Block and T / Alternator.
2. Extraction of both Truck frame.
3. Extraction of T/Motors from frame.
4. Snabber removing
5. Wheel removing.

6. Air line changing (totally) and again assembling.
7. Final assembling of all components & fitted properly on the Loco.
8. Alignment of T / Alternator, compressor.

Mechanical : Re-conditioning of Air system, Air Brake valve with Brake.

Air compressor completes overhauling.

1. Cleaning of all pipe lines & air system with compressed air.
2. Ensuring securing of all clamps of pipe lines.
3. Renew 'J' filter element.
4. Cleaning of combined cut out strainer and renewal of gasket.
5. Renewal of air governor strainer.
6. Removing, overhauling & refitting of hom & hom push assemblies.
7. Removing, overhauling & refitting of, i) Sander control valve. ii) Sand conveyors.
8. Air gauges to be checked (changed if necessary)
9. Overhauling of DB-valve.
10. Overhauling of Limiting valve.
11. Overhauling of air flow measuring valve.
12. NI reducing valve(control prs-valve) to be overhauled.
13. R-6 'Relay valve, Feed valve, Double check valve to be overhauled.
14. Emergency brake valve to be overhauled.
15. ADC (Automatic Drain cock) to be checked.
16. Overhauling of Air Governor.
17. MR safety valve, inter cooler safety valve to be checked rectified if required.
18. Tripping valve to be checked and rectified if required.
19. HS/HBS to be checked and rectified if required.
20. Air proporsonate valve to be checked and rectified if required.
21. Non returning valve, Air dryer, VA1-valve/V1 release valve to be checked and rectified if required.
22. Cleaning of radiator core by air blowing opposite to the direction of normal air flow and clean with TSP solution.
23. Radiator fan, Radiator tie bar & 'U' clams, Radiator pipe lines to be checked & renewal of Hoses as per requirement.
24. Cleaning of Radiator core inside tube by pressurized solution.
25. Checking of pressurized cooling system valves condition & changed if necessary.
26. Removing of L.O. Cooler, overhauling & fitting as per requirement.
27. Changing of all dresser & Victaulic gasket, water system / L.O. system.
28. Checking of water pump and if necessary to be changed.

UNDER CARRIAGE:

1. Removing of bogie & cleaning, checking for any crack, chalk test for critical locations.
2. Painting of bogie frame.
3. Axle box: Removing of axle box cover & checking of axle box bearings greasing & renewal of dust guard seal.
4. Gear Case : Removing of gear case, cleaning and checking for any cracks. Checking the condition of threads. Refitting of gear cases with new felt seals, filling cardium compound in gear case. Gear case mounting bolts to be checked and replaced if required.
5. T/Motor Suspension Bearing checking tightness of cap bolts and sealing properly. Refitting of S/bearing cap and refilling with fresh oil.
6. Brake Gearing: Checking brake head for looseness or missing nuts & worn face radius. Changing with new one if required.
7. Checking clearance between wear plates on hangers & bogie frame pads. Changing of wears plates if required. Checking wear pins & bushes. Checking pull rods & pull rods brackets replacement if necessary.

8. Brake Cylinder. Changing of break cylinder buckets and gaskets. Checking tightness of foundation bolts & renewal if necessary.
9. Brake shoe changing, break air pipe leakage checking by air blowing. Leakage checking of side oil pan. Centre bowl and liner to be checked.
10. All break hanger to be checked.
11. Axle box to be greased.
12. Equalizing beam to be checked for an y crack.
13. Axle box back cover bolt to be checked. Tie bar to be checked.
14. All safety items to be checked with all bushes.

**ENGINE PORTION** : Complete dismantling of the engine from the foundation. Fuel Pump, Injectors. Turbo charger etc. to be dismantled, serviced, checked and overhauled and also to be refitted by the vendor. Again the engine is to be placed on foundation. Then the engine is to be started and checking of all safety functions after completion of the job in presence of WBPDCCL Engineers and M/s. Jupiter Services.

**General examination /checking : Start the Engine and test the following:** a) To defect loose, defective missing or leaking parts. B) Smooth running of engine, listen for unusual sound, c) Check those components for leakage unusual sound etc. which are POH items: i) Lub oil Pump, ii) Gear box, iii) Radiator fan, iv) Lub oil filter tank.

**Checking at engine stop condition:** Crank case for any foreign materials & water leakage. Checking Engine interior for an y traces of oil leakage if the leakage appears to be rectified accordingly. Checking of all cooper pipe nipples draws of Fuel oil system & Lub oil system and do reconditioning of pipes by annealing process or any other. Checking of fuel suction pipe and trap.

**Before Starting** : Checking of Engine room, Compressor & Radiator room, door lock and repairing as per requirement.

**Cabin room items:**

Window & window glasses lock out glasses, arm rest, Driver's seat, cabin room, floor, side panel's doors, door glasses, nose compartment door to be checked & replaced as per requirement. Overhauling of the speedometer gear unit and flexible drive Fittings of all the missing electrical items to be done by the vendor.

**Miscellaneous Servicing**

**WIRING WITH TB AND FERRULE AND REPLACEMENT OF BEARINGS**

- Control Cabinet – I & II total wiring with TB and LUG is to be done.
- Control Desk I and II total wiring with TB, LUG, Ferrule to be done.
- Battery Bank wiring to be done.
- Engine related total wiring need to be done.
- Traction Motor, Alternator, blower, generator, self starter related all wiring need to be recommissioned.
- Loco is in idle condition for the last three years, complete bearings like axle bearing, alternator bearings, traction motor bearings, Auxiliary Generator bearings, Axle suspension bearings to be checked properly and in case of any failure, to be placed b y the party as per OEM of that bearings.

**General scope of service and supply by the party.**

1. Total Six T/Motor Overhauling bearing change ( All Bearing will be supplied by WBPDCCL) & repair.
2. T/Alternator Overhauling bearing change & repair.
3. Auxiliary Generator supply.
4. Exciter supply.
5. Fuel booster pumps supply.
6. Crank case motor supply.

7. Extraction washes & fitting of above materials.  
Cab room cleaning and fitting with new items..
8. Materials required for above job are included with our overhauling of above components.
9. All defective C/brush replace, Cleaning solvent at least 75 (seventy five) ltrs. Grease 20(Twenty kgs.) Sleeves as per requirement. Wooden/Rubber clit ( if found broken or damage) spring washer, socket any other serviced parts are found defective to be changed.
10. Instrument required: Pinion puller (Hydraulic) Armature hanging clamps & chain/block (I air blowing provision, spray gun, Bearing puller, gas for heating. Electric oven, Hot blower (if over is small Nylon hammer etc. (Other tools). Above Instruments are require for work at BkTPP site. One Industrial Air Compressor minimum 8 kg. Pressure for air blowing ill be supplied by WBPDCCL at Loco shed with pipe. Water connection at Loco shed will be available for washing and cleaning. All the necessary ceiling and wooden buffer to be provided by the Party.
11. Mechanical repair work, Air line repair work, Undercarriage repair work including changing of necessary service kits etc. Spares/materials.
12. Any heavy materials / Assembly /Sub-assembly are found damage after dismantling and joint inspection with WBPDCCL Engineer's that will be change on extra cost.
13. All the interested parties are requested to visit the site at actual and after that submission of necessary documents in favor of Expression of interest.

**Other terms and conditions**

**Payment Terms** : Payment against the procured items and service charge for overhauling of the Loco-engine will be as per norms of WBPDCCL.

**Completion period**: Normally work completion period will be 90 days from the date of provided of the LOI.

**Tools & Tackles** : All necessary tools & tackles to execute the overhauling work will be provided by Party.

**Spares & Materials** :

The spares / requisite materials those will be provided by the party on back to back payment basis will have joint inspection between the party and BkTPP/WBPDCCL.

**Guarantee** : The overhauled Loco-engine will be guaranteed for a period 12 (Twelve) month from date of commissioning against any defect in execution of work in respect of supplied spares/materials or workmanship. Any defect is found within the guarantee period the same would be rectified b y the party at free of cost.

**Free Service** : The Party has to provide 4 (Four) free service schedule within the guarantee period. However, all consumables and facilities for free service schedule will be provided by M/s. BkTPP/WBPDCCL at free of cost.

**Supply of consumables** : Supply of the following consumables (mandatory) will be under the scope of the party with back-to-back payment basis.

- h) Carbon brush ii) Cleaning solvent (75 Ltr approx) iii) Insulation sleeves (50 Mtr approx.) iv) socket v) wooden/rubber clit vi) jute viI) gasket.

**Materials to be supplied by BkTPP/WBPDCCL.:**

HSD, Lube oil, servo code 140 will be supplied at free of cost. Furthermore, Water, Compressed Air, Electricity, Crane/Hydra will be provided at free of cost.

**Credential** :

The vendor should have credential for successful overhauling and repairing of Loco engine, Preferably BHEL Locomotive or railway Locomotive. The vendor should have exposure of overhauling BHEL locomotive at lest 03 nos.

**ANNEXURE- A**

**APPLICATION FORM:**

| Sl.No | Particulars                                                                                                                                  |  |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------|--|
| 1     | Name of the Organization :                                                                                                                   |  |
|       | Address (Regd. Office) :                                                                                                                     |  |
|       | E-mail :                                                                                                                                     |  |
|       | Telephone No. & Fax:                                                                                                                         |  |
|       | Website:                                                                                                                                     |  |
| 2     | Name of the contact person:                                                                                                                  |  |
|       | Telephone:                                                                                                                                   |  |
|       | Email ID :                                                                                                                                   |  |
| 3     | Type of the Organization (Public Sector                                                                                                      |  |
|       | /Limited/Private limited/Partnership,                                                                                                        |  |
|       | Proprietary /Society / Any other.) :                                                                                                         |  |
| 4     | Chief of the Organization:                                                                                                                   |  |
|       | Email Id :                                                                                                                                   |  |
|       | Telephone:                                                                                                                                   |  |
| 5     | Registration details: (enclose certificates):                                                                                                |  |
|       | • Company Registration                                                                                                                       |  |
| 6     | PAN No (enclose certificate):                                                                                                                |  |
| 7     | Activities of the Company:                                                                                                                   |  |
|       | (List the activities)                                                                                                                        |  |
| 8     | List of PSUs/ government/ Non government clients<br>(with contact details like Address, contact, contact person, phone number and e-mail id) |  |

|    |                                                                                                                                   |                         |
|----|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| 9. | Turnover of the company for the last 3 years :<br>(Enclose certificate from the Chartered Accountant)                             | Year :<br><br>Turnover: |
| 10 | Total no. of Employees:<br><br><ul style="list-style-type: none"> <li>▪ Technical Staff</li> <li>▪ Non-Technical Staff</li> </ul> |                         |
| 11 | No. of Officers / Centers (enclose the list):                                                                                     |                         |

12. List of similar projects handled (provide the details in the following format) during the last 3 years:
- i) Name of the client.
  - ii) Contract person
  - iii) Address and telephone no.
  - iv) Brief statement about how their requirements are similar to those in this proposal

13. The reports of the trials conducted at customers for at least three projects similar to those being requested in this proposal(enclose certificates)

14. Any other information the applicant wants to furnish:

### **Declaration**

I hereby declare that the above information is true to the best of my knowledge.

Signature with Name & seal

## ANNEXURE – B

### FORMAT FOR TECHNICAL PROPOSAL

The Bidder's organization should submit the TECHNICAL PROPOSAL separately as per the format given below:

#### Technical Proposal :

1. A brief description of the Bidder's organization and an outline of recent experience on assignment of similar nature. The information as per format given at ANNEXURE-C to be furnished on each assignment should indicate the details of the project, duration, contract amount and firm involvement.
2. Any comments or suggestions on the proposed new system.
3. Scope of the work and terms of reference.
4. Approach and methodology ( This will be followed by the Organization to achieve the stated deliverables) which the organization proposed to execute illustrated with bar charts of activities.
  - a. Approach
  - b. Methodology
5. A complete Project including the following:
  - a. Responsibilities of the Bidder
  - b. Project planning
  - c. Project monitoring and control.
6. Details about hosting and help desk arrangements.
7. Deliverables and acceptances ( The definition of deliverables b y the Bidder must be quantified)
  - a. WBPDCCL responsibilities.
  - b. Bidder's deliverables.
  - c. Delivery and Acceptance methodology

#### Note:

Any deviations must be specifically defined by the bidder in its proposal, which if successful, shall become part of the agreement. Such deviations shall not be in conflict with the basic nature of Technical requirements of this Solicitation. WBPDCCL, however, reserves the right to ask for clarifications or reject the proposed change or the entire technical proposal, if found in complete dissonance with the scope of work mentioned in the EOI.

**ANNEXURE –C**

**ORGANISATION'S REFERENCES**

Relevant Services carried out in the Last three Years which best illustrate Qualification.

The following information should be provided in the following format for each reference assignment carried out which was legally contracted by the client stated below:

|                                                                                                      |                                    |                                                                         |  |
|------------------------------------------------------------------------------------------------------|------------------------------------|-------------------------------------------------------------------------|--|
| Name of the assignment:                                                                              |                                    | Country:                                                                |  |
| Location within Country:                                                                             |                                    | Professional Staff provided by your firm:                               |  |
| Name of Client:                                                                                      |                                    | No. of Staff:                                                           |  |
| Address:                                                                                             |                                    | No. of Staff Months:                                                    |  |
| Start Date:<br>[Month / Year]                                                                        | Completion Date:<br>[Month / Year] | Approx. Value of Services: (In Rs.):                                    |  |
| Name of Associated Firm(s) if any:                                                                   |                                    | No. of man months of professional Staff provided by Associated Firm(s): |  |
| Name of Senior Staff (Project Director / Coordinator, Team Leader) involved and functions performed: |                                    |                                                                         |  |
| Narrative Description of Project:                                                                    |                                    |                                                                         |  |
| Description of Actual Services Provided by your Staff:                                               |                                    |                                                                         |  |

**ANNEXURE – D**

**FORMATS FOR SUBMISSION OF FINANCIAL PROPOSAL FROM BIDDERS.**

The DGM(F&A)  
Bakreswar Thermal Power Project,  
P.O. Bk.TPP, Dist. Birbhum,  
West Bengal.

Dear Sir,

1. We have understood the instructions and the terms and conditions mentioned the EOI Document and have thoroughly examined the EOI Document and are fully aware of the scope of work required. We are hereby submitting our “Financial Proposal” as per prescribed format.
2. Cost for missing item supply part with B.O.M.:
3. Cost for complete overhauling of Locomotive -26 with break up.
4. Total cost including supply and service / overhauling part.

.....

The above mentioned rates are valid for a period of 2 years. Taxes would be extra at actual.

For and on behalf of:

Signature.