SUBCONTRACTOR'S SCOPE OF WORK		
Job	**Capital Overhauling of HP,IP,LP Cylinders along with bearing inspection and MPI /NFT of LPT Last three stage of 250 MW Turbine of Unit #1 SSTPS Suratgarh**	
	Completion Period: *** Mandatory Works: 40 days from barring gear stop to start of oil flushing.** *** Optional Works- Cutting of Breech Nut (B.1): Additional 10 days per Breech Nut.** *** Optional Works- Cutting & Welding of MS Pipeline (B.2) : Additional 5 days per MS Pipeline, if executed standalone.** **** If MS Pipeline work is executed along with Breech Nut work, no separate additional time shall be admissible, and the same shall be completed within the 10-day period applicable for the Breech Nut work.***	
SL No	**Description of Work**	**% alloted**
A)	**MANDATORY WORKS**	
1	**HP MODULE DISMANTLING**	9.0%
2	**HP MODULE ASSEMBLY PREVAILING ONE**	7.0%
3	**IP MODULE**	11.0%
4	**LP MODULE**	10.0%
5	**BEARING INSPECTION, MOP, BARRING GEAR AND HANGERS**	14.0%
6	**OVERHAULING OF VALVES,**	12.0%
7	**MS and HRH Strainers**	4.0%
8	**GOVERNING RACKS**	5.0%
9	**INSULATION OF HP, IP CASINGS, VALVE BODIES -Mineral Wool Spray Insulation**	13.0%
10	**NFT AND MPI OF FREE STANDING BLADES OF LP ROTOR**	5.0%
11	**NRVs and lube oil tank**	4.0%
12	**VIBRATION & TRIM BALANCING**	3.0%
13	**Miscellaneous**	3.0%
	GRAND-TOTAL	**100.0%**
B)	**OPTIONAL WORKS**	
1	**Cutting of breech nut for removal of HP Module for up to 2 Breech Nuts**	5.149% of CV per Breech Nut
2	**Cutting and Welding of MS Pipe Line for up to 2 MS lines**	1.714 % of CV per MS LIne
3	**HP Module replacement. (If this ativity is done, Sl no 2 of Mandatory work will not be executed)**	13.019% of CV
4	**Assembly of damaged HP module for Sending at works.**	6.81 % of CV
5	**providing One vehicle Exclusively for BHEL Staff use at Unit# 1 SSTPS SURATGARH (RAJ.) Tentatively for 55 Days**	As per Annexure IA
C	**SPECIAL INSTRUCTIONS/ TERMS & CONDITIONS FOR SUB-CONTRACTOR**	
Note	The scope of work shall be restricted to the execution of the following works, subject to site requirements and feasibility at site. Notwithstanding the above, any inherent/ inseparable work required for the complete box-up and commissioning readiness of the machine, whether specifically listed herein or not, shall be deemed included in the scope and shall be executed without any additional cost implication.	

A)	MANDATORY WORKS	
1	**HP MODULE DISMANTLING**	**9.00%**
1.1	Dismantling of steam inlet and exhaust pipes of HP turbine (after locking of hangers and supports). Removal of insulation from HP casing and its disposal to scrap yard.	
1.2	In case of breech nut not opening after two trials, the MS line is to be cut and the module taken out as additional work. Cutting of the lines , HP welding, preheating, post heating, radiography, post weld heat treatment shall be carried out as part of additional work.	
1.3	Checking parallelism of HP inlet and exhaust flanges with casing flanges and rectification by adjustment of hangers and supports.	
1.4	Dismantling of seal steam supply/leak off lines/drain lines and exhaust pipes connected to HP turbine.	
1.5	Roll check, horn drop test & bump check and locking of rotor with casing.	
1.6	Support of turbine shaft to casing.	
1.7	Lifting of HP module from pedestals and placing it on stands.	
1.8	Tilting of HP module and placing it in vertical position on fixture after removal of seal segments.	
1.9	Removal of threaded ring from barrel and removal of inner casing guide keys.	
1.10	Removal of inner casing with rotor from barrel and placing the same in horizontal position on fixture.	
1.11	Removal of top half of inner casing and its inspection. Repair/replacement of sealing rings, if required. Opening of PP studs of inner casing shall be carried out by induction heating method.	
1.12	Removal of rotor from bottom half and inspection of bottom half of inner casing. Repair / replacement of sealing fins as per requirement and machining of the fins to obtain the required height/radial clearances.	
1.13	Sandblasting/cleaning of rotor and inner casing halves by Dry Alumina Blasting. All arrangement is in Sub Contractor Scope	
2	**HP MODULE ASSEMBLY PREVAILING ONE (OPTION -I)**	**7.00%**
2.1	Inspection of rotor and repairs to the extent possible at site.	
2.2	Inspection of U-ring and I-ring and repairs to the extent possible at site.	
2.3	Parting plane stud length measurement and replacement of studs that are found damaged or permanently elongated..	
2.4	Placement of top half on bottom half and tightening of parting plane bolts. Fixing of centering device in barrel and inner casing.	
2.5	Placement of inner casing with centering device in barrel and centering of inner casing in barrel by correction of fitted guide keys.	
2.6	Placing top and bottom halves of inner casing one by one on assembly fixture, leveling it, placement and centering of rotor in casing half and checking of axial and radial clearances with each half of casing.	
2.7	Placement of rotor in bottom half inner casing for final assembly and tightening of top and bottom halves by induction heating device. If Rotor needs to be replaced, new rotor is to be assembled after cleaning.	
2.8	Roll check and bump check after tightening and corrections.	
2.9	Locking of rotor with inner casing and insertion of inner casing assembly into the barrel after placement of U-ring in position.	
2.10	Fitting of centering keys and tightening of threaded ring.	
2.11	Lifting the barrel and placing it in horizontal position, removal of locking devices after supporting the rotor on fixture.	
2.12	Fitting of seal segments in barrel maintaining the required clearances.	
2.13	Assembly of outer glands in barrel maintaining the centering of glands with barrel.	
2.14	Final axial and radial clearances checks.	
2.15	Shifting of HP module from fixture to pedestals.	
2.16	Connection of all piping with casing to be carried out.	
2.17	Bump check to be carried out before and after connection of piping.	

3	**IP MODULE**	11.00%
3.1	Removal of insulation from IP casing and its disposal to scrap yard. Dismantling of inlet, gland sealing steam and extraction line of top casing after properly supporting them.	
3.2	Dismantling of exhaust steam lines from top casing.	
3.3	Bump check of IP turbine.	
3.4	Roll check and horn drop test of IP turbine.	
3.5	Removal of top halves of front and rear gland boxes.	
3.6	Supporting of IP outer casing on jack bolts, heating and loosening of joint bolts and lifting of top half of IP outer casing. Heat loosening shall be carried out by induction heating method. Induction Machine is in Subcontractor scope with operator	
3.7	Supporting of IP inner casing on jack bolts, heating and loosening of joint bolts and lifting of top half of IP inner casing. Heat loosening shall be carried out by induction heating method.	
3.8	Measure axial and radial blade and shaft seal clearances and radial and facial run out of IP rotor coupling.	
3.9	Removal of IP rotor and IP inner casing.	
3.10	Cleaning of IP turbine internals by Dry Alumina blasting and DP testing of blades randomly, as decided by Site Incharge of BHEL. All consumable to be arrange by sub contractor	
3.11	Checking of parting plane gaps of inner and outer casings and rectifications. Measure casing distortion, check casing joints for erosion and cracks.	
3.12	Replacement of gland fins as per requirement and machining of the fins to obtain the required height/radial clearances.	
3.13	Parting plane studs length measurement for permanent elongation DPT checks for embrittlement & cracks. Replacement of damaged studs.	
3.14	Assistance in removal and assembly of thermo couple for IP casing.	
3.15	Box-up of IP inner casing, roll check and heat tightening of joint bolts. Bump check of IP inner casing. Heat tightening shall be carried out by induction heating method.	
3.16	Box-up of IP outer casing, roll check and heat tightening of joint bolts. Bump check of IP outer casing. Heat tightening shall be carried out by induction heating method.	
3.17	Checking of casing centering.	
3.18	Assembly of inlet, gland sealing steam, extraction lines and exhaust steam pipes.	
3.19	Cleaning and lubrication of all radial and axial keys, packers, etc. of casing and bearing pedestals.	
3.20	Setting of gland box clearances, key clearances and assembly of gland boxes including refitting of gland segment of springs and making of clearances.	
3.21	Run out checking and matching of IP rotor coupling face with HP and LP rotor coupling.	
3.22	Cutting / opening of all casing drain pipes and gland steam pipes in lower half of casing, blowing of air through these pipes to clear the foreign material and re-fixing of these pipes by TG welding and replacement of gaskets of flange connections.	
3.23	Replacement of all gland steam piping flanges gaskets in both upper and lower halves.	

4	**LP MODULE**	**10.00%**
4.1	Removal of LP gland box upper halves and checking of seal clearances.	
4.2	Loosening of LP casing parting plane bolts and lifting of outer casing top half.	
4.3	Proper covering of condenser opening and condenser tubes suitably over tube support plates.	
4.4	Removal of diffuser cones (top half) supporting inner-outer casing at the bottom by jack bolts and loosening PP bolts.	
4.5	Removal of LP inner-outer casing top half.	
4.6	Roll check of inner-casing and its dismantling.	
4.7	Checking and rectification of axial and radial clearances of LP casing/rotor.	
4.8	Lifting of LP rotor and placement on rotor stand after supporting properly.	
4.9	Checking for looseness of blades of LP rotor and DP testing of blades randomly, as decided by Site Incharge of BHEL. Minor rectification of loose blades.	
4.10	Inspection of LP casing to pedestal expansion bellows by DPT.	
4.11	Cleaning of LP turbine internals by Dry Alumina blasting.	
4.12	Inspection of LP rotor and inner casing.	
4.13	Correction in axial and radial clearances of LP turbine.	
4.14	Check parting plane gaps and ovality of inner-inner and inner-outer casings and rectification.	
4.15	Box up and roll check of inner-inner casing and correction.	
4.16	Box up and roll check of inner-outer casing and correction.	
4.17	Box up LP outer casing after complete inspection of condenser internals.	
4.18	Setting of gland box clearances, key clearances and assembly of gland boxes including replacement of segments.	
4.19	Replacement of eroded balancing weights of LP Rotor.	
5	**BEARING INSPECTION, MOP, BARRING GEAR AND HANGERS**	**14.00%**
5.1	Removal of Pedestal covers and bearing halves of turbine and generator (Brgs No. 01 to 06) after checking existing bearing/ key clearances.	
5.2	Coupled run out checks of HP/IP, IP/LP & LP/Gen. rotors and couplings.	
5.3	Decoupling of HP/MOP. Overhauling of MOP, DPT and UT of MOP bearings and replacement of worn out/ damaged parts, reassembly, realignment of HP/MOP and coupling.	
5.4	Measurement of catenary of TG rotors using pot levels. Inspection and Adjustment of Spring Deck for correcting catenary.	
5.5	Decoupling of HP-IP, IP-LP and LP/Gen. rotors	
5.6	Ultrasonic/DP testing of all bearings. Checking of bearing clearances, rectification of bearing clearances, replacement of bearings and keys (including matching of new keys). Hydraulic test of all jacking oil hoses and replacement.	
5.7	Checking of rotor float on thrust bearing and adjustment including replacement/ repair of pads.	
5.8	Checking of contact of bearing torus pieces with spherical/ cylindrical supports. Replacement of bearings, torus and support including doweling of the new support if required.	
5.9	Alignment of HP/IP and IP/LP & LP/Gen. couplings, and coupling of rotors including reaming and honing as per requirement including complete set of coupling holes.	
5.10	Adjustments in packers, bearing supports, bearing keys, etc. and their blue matching, lubrication of keys, packers etc as per requirement of casing.	
5.11	Resetting of all bearings, oil catchers and pedestal oil guard rings, replacement of sealing strips as per requirement. Refitting of bearings and setting/matching of bearings, yoke keys, etc. as per requirement.	
5.12	Dismantling and overhauling of over speed trip and thrust bearing trip devices checking and adjustment.	
5.13	Dismantling of barring gear motor, servicing and reassembly.	
5.14	Checking and adjustments of hangers and supports in critical pipelines - MS, HRH and CRH lines stop and control valves situated in turbine area. Arrangement of hanger expert for duration of checking & adjustment.	
5.15	Box up of bearings 1 to 6.	

6	**OVERHAULING OF VALVES**	**12.00%**
6.1	**HP stop & control valves along with their servomotors - 2 sets**	4%
6.2	**IP stop & control valves along with their servomotors - 2 sets**	4%
6.3	**LP bypass stop and control valves along with their servomotors - 2 sets**	4%
	Following activities shall be done for 6.1 ,6.2 and 6.3 concurrently-	
a	Scaffolding for valves as required & removal insulation and recording of reference dimensions, valve travel in cold condition prior to dismantling, gap between coupling nut collar and servo spindle. Scaffolding is to be arrnaged by subcontractor.	
b	Draining of servomotor/ actuator housing. Removal of oil lines and steam leak off line. Decoupling and removal of actuators/ servomotor.	
c	Measurement of valve spindle travel before dismantling and measurement of servomotor spindle compression.	
d	Removal and dismantling of valve and actuator assembly.	
e	Cleaning and descaling of component parts.	
f	Inspection of valves, valve stems, studs, bushes and pilot disc including NDT and checking of valves stems run out.	
g	Inspection of all sealing faces at the valve seats, back seat, sealing ring, etc. and stop valve servomotor disc top and	
h	Checking of clearances and rectification/replacement of components.	
i	Inspection of back seat bushings, packing rings, gland packings and servomotor oil seal rings and their replacement.	
j	Assembly of complete valves including servomotors and connection of all piping. Checking of valves for any leaks and proper functioning. Measurement of valve stem lifts/ travel/compression. Adjustment of valves during final setting.	
7	**MS and HRH Strainers (02 nos. each)**	**4.00%**
	Cutting of strainer drain lines, dismantling of main steam and HRH strainers, inspection/ NDT, cleaning and rectification, replacement of gaskets and elements (if required) and re-assembly. TIG welding of strainer drain lines, rectification after radiography.	
8	**Governing and LP Bypass Racks, Test Valves, Changeover valves for extraction NRVs and Servomotor of CRH NRVs**	**5.00%**
	Revisioning of all the components of Governing Rack & LP Bypass rack including dismantling & assembly of feedback assemblies, their inspection and cleaning in duration. Replacement of components, O-rings, oil seals and other parts. Commissioning and resetting of Governing and LP Bypass racks vis-à-vis respective stop & control valves, water injection valves, etc. to design values. Arrangement of Governing experts during rack servicing and for governing charateristc setting.	
9	**INSULATION OF HP, IP CASINGS, VALVE BODIES -Mineral Wool Spray Insulation**	**13.00%**
	The scope of work shall include the application of Thermal insulation on the following components Along with the Supply of insulation materials-	
	a) HP Casing	5%
	b) IP Casing	6%
	c) Valve Bodies of HP, IP and LP Bypass Valves , MS and HRH strainers, LP cross around pipe and other associated pielines	2%
10	**NFT AND MPI OF FREE STANDING BLADES OF LP ROTOR**	**5.00%**
10.1	Removal of blades of recommended free standing blades of both TS and GS of the LP rotor.	
10.2	Cleaning of roots of these stages on LP rotor after removal of blades.	
10.3	Cleaning of individual blades.	
10.4	MPI of root portion on the rotor discs and individual blades.Agency to carry out the tests along with required equipments , consumables has to be arranged by vendor. MPI to be carried out by coil method.	
10.5	Replacement of any defective blades identified in MPI by blades of equal moment weights.	
10.6	Fitting of the blades on rotor with technological pieces.	
10.7	Checking of natural frequency of the blades by arranging suitable agency for carrying out required test. Agency to carry out the tests along with required equipments , consumables and technological pieces has to be arranged by vendor.	
10.8	Removal of the blades and fitting them again on the rotor with new clamping pieces.	
10.9	Fitting of locking strips and tack welding of the same at the entry points.	

11	**NRVs and lube oil tank**	4%
11.1	**Inspection and servicing of CRH NRV 1 no.**	0.50%
11.2	**Servicing of Extraction NRVs of extraction II,III,IV and V**	0.80%
11.3	**Cleaning of complete main lube oil tank**	0.30%
11.4	**Inspection/ Adjustment of TG Spring Deck System**	2.40%
	Arrangement of M/s GERB personnel during catenary correction. Preparation of platform near columns and locking of all springs before reducing weights on catenary. Release of all springs after floating of deck. Correction in deck as per requirement. Arrangement of shims to be done by RRVUNL.	
12	**Deputation of vibration Expert** along with Vibration analysis kit & Trim Balancing of Unit as per requirement.	3%
13	**Miscellaneous Works**	3%
1	The sub-contractor has to deploy one EOT Crane operator & safety officer round the clock basis for the entire duration of the Job.	
2	The Sub-contractor shall provide 1 Laptop/Desk Top Computer of latest configuration along with 3-in-1 printer (PSC Laser printer), UPS, Data card for accessing internet (Modem), other peripherals, accessories, Stationary & cart ridges Exclusively for BHEL use from start till completion of work. The Sub-contractor shall also provide one office assistant and 1 attendant for BHEL Site Office/ colony on round the clock basis. All charges shall be borne by Sub-contractor. Arrangement of potable packaged mineral drinking water for BHEL site office during entire duration of work as per site requirement.	
	GRAND-TOTAL	**100.00%**

B)	**OPTIONAL WORK**	
	Following Works , if required, shall be carried out at extra cost and additional time basis:	
1	**Cutting of breech nut for removal of HP Module in case breech nut cannot be opened after two trials.The work shall include following for each breech nut:**	5.149% of CV per Breech Nut
1.1	Cutting and removal of old HP stop & control valve of respective breach nut.	
1.2	Assembly of new HP stop & control valves of respective line fitted with Breech Nut.	
1.3	Tightening of breech nut.	
2	**Cutting of MS Pipe Line.**	1.714% of CV per MS pipe line
2.1	HP welding, preheating, post heating, radiography, post weld heat treatment of valve body joint with MS inlet line.	
3	**HP Module replacement.** ***If this activity is done, Sl no 2 in main scope (HP MODULE ASSEMBLY PREVAILING ONE) will not be executed***	13.019% of CV
3.1	Placement of new HP module on assembly device in service bay area at zero meter.	
3.2	Removal of transporting device and transfer load on rollers. Inspection of new/spare HP module.	
3.3	Recording following parameters	
3.4	Parallelism of coupling face of HP rotor	
3.5	Recording of coupling hole diameter	
3.6	Run out of rotor and facial run out	
3.7	Rectification of Parallelism of coupling flange face	
3.8	Fitting of transporting device & shifting of HP module in position	
3.9	Transfer rotor load on bearing	
3.10	Preliminary alignment of rotors , coupling of all three rotors with loose bolts	
3.11	Trial assembly of HP rotor with existing IP & LP rotors	
3.12	Recording of swing check	
3.13	Rectification of coupling face for achieving desired value of swing check	
3.14	Checking of fitting of U seal ring for inlet (2 numbers) and exhaust(1 number). Rectifications to be carried out in the U seal ring assembly for proper fitting	
3.15	Checking of parallelism of inlet and exhaust flanges . Provision for in-situ machining for making new radial dowels between HP casing and MS inlet line. Filling of old dowel holes by weld deposit with specified electrode and SR as per procedure. Matching after SR.	
3.16	Tightening of breech nut for inlet (2 numbers) and tightening of exhaust flanges (Hot tightening)	
4	**Assembly of damaged HP module for Sending at works.**	6.81% of CV
4.1	Placement of rotor in bottom half inner casing for final assembly and tightening of top and bottom halves.	
4.2	Roll check and bump check after tightening and corrections.	
4.3	Locking of rotor with inner casing and insertion of inner casing assembly into the barrel alter placement of U-ring in position.	
4.4	Fitting of centering keys and tightening of threaded ring.	
4.5	Liting the barrel and placing it in horizontal position, removal of locking devices after supporting the rotor on fixture.	
4.6	Fitting of seal segments in barrel maintaining the required clearances.	
4.7	Packing of the old module including locking and welding. All materials required for packing to be supplied by RVUNL.	

C	SPECIAL INSTRUCTIONS/ TERMS & CONDITIONS FOR SUB-CONTRACTOR
1	Experienced manpower including EOT crane operators and general tools & tackles required for the job to complete the work satisfactory and in time. All material handling equipments duly supported by Load testing certificates.
2	Sub-contractor has to arrange at least 1 Site-in-charge, Shift Engineers, Supervisors (for arranging Vehicle, Gate passes, Sunday, holiday Night & OPI permissions / Fire & Safety training / Transportation arrangement), Industrial safety monitoring, Supervisors / Foreman, Mill right fitters, riggers, Crane Operators, Electricians, helpers etc.
3	Safety officer to monitor industrial safety and ensure industrial safety of his workmen, machinery and plant. Wearing of safety shoes and helmets is a must for this work. He shall ensure proper housekeeping at all point of time.
4	sub-contractor has to submit estimated manpower commitment at the time of quoting for the total work for the purpose of obtaining labour license well in advance and arranging security permits.
5	The sub-contractor has to depute minimum man power for coverage duty in round the clock shift for attending to breakin maintenance like thrust-oil filter cleaning etc for a period of at least 3 days after synchronization.
6	Deputation of Governing & hanger experts, Vibration Analyser machine with operator during defect liability period in case of high vibration reporting is to be done by vendor without additional charge of depuatation; however, such requirement shall be totally based on requirement.
7	Detailed sequence of overhauling activities indicating time of Start & duration in days should be submitted before start of work.
8	sub-contractor manpower must bring Photos, and Address Proof, Voter Identity Card documents for making the photo gate pass of their staff and this is must.
9	All consumables i.e. electrodes, filler wires, gases like DA, Oxygen, Argon, insulating varnish and other consumables including cleaning agents, cotton waste, waste cloth, markin cloth, asbestos cloth, Hylomer, Silastic RTV , molecote , stag B etc. shall be arranged by the subcontractor. Arrangement of tarpulin for coverage of dismantled components. Special welding electrode and all types of adhesives, if required, are to be arranged by subcontractor. This is tentative list and other consumables, if required, will be arranged by subcontractor.
10	All efforts shall be made by the subcontractor to save time in all activities and achieve reduction in time period.
11	Subcontractor shall ensure use of only calibrated Inspection, Measuring & Testing equipment (i.e. micrometers, slip gauge, dial gauges, telescopic gauges, dial bore gauges, measuring tape, vernier calipers,megger, multimeter, clamp on meter etc.), confirming to national standards. Valid calibration certificates shall accompany these equipments.
12	Transportation of spares from stores to site and scrap from site to scrap yard, including making all necessary arrangements for the same, shall be done by the subcontractor.
13	Hydraulic jacks 50 and 100 Tonnes 04 Nos. each shall be arranged by sub-contractor. 24V DC source & handlamp etc. for working in closed area shall be arranged by sub-contractor. Three phase power supply point is to be arranged by RVUNL,further power adapter switch unit box to be arranged from SUB-contractor.
14	To & fro arrangement of testing kit as required from BHEL office to site.
15	Cutting of tubes and edge preparation on all tubes shall be done by grinders only. No gas cutting shall be allowed.
16	Arrangement of DP , UT , MPI consumables of reputed make and the kits and qualified level II operators for all jobs in the scope of work shall be done by the subcontractor. The quantity of consumables required to be supplied free of cost.
17	One attendant each in day and night shift is to be provided in BHEL site office.
18	All the tools and tackles required for execution of all the jobs mentioned inscope of work are to be arranged by the Sub- Contractor. All elctrical testing equipments along with experts are to be arranged by the contractor within this scope of work and no extra charge will be paid.
19	Any other material required for execution and completion of mentioned jobs, other than mentioned above, shall be in the scope of contractor.
20	Sub-Contractor has to comply with guidelines issued by central and state government/ local administration of RRVUNL for Covid-19. All expenditure for same to be borne by sub-contractor
21	In case of contradiction between GSCC & Annexure-A, Conditions in Annexure-A will prevail & be final.

Optional Work - Providing One vehicle Exclusively for BHEL Staff use at SSTPS Suratgarh (RAJ.)

Job: Capital Overhauling of HP, IP, LP Cylinders along with bearing inspection and MPI /NFT of LPT Last three stage of 250 MW Turbine of Unit #1 SSTPS Suratgarh

Vehicle Scope of Work and Terms and Conditions

A. Scope: "Providing one vehicle Exclusively for BHEL Staff use as per site requirement at SSTPS Suratgarh from start of work till completion of work as per BHEL Site Engineer requirement. (Tentatively for 55 Vehicle days).

B. Payment: Payment for providing the vehicle shall be done as per actual usage of vehicle days including running charges, OT & Night Charges after completion of work and as per following rate and Terms & conditions detailed as below:

C. Schedule of Rates and Prices:

S No.	Description	Tentative quantity	Rates (In Rs.)/ P
1	Type of Vehicle		(5-Seater or Higher or any equivalent type of Vehicle)
2	Daily Hire Charges Rate for 12 hours duty	55 Vehicle-days	Rs. 1134/ - per day
3	Running charges	6050 KMs	Rs. 10.5 per Km
4	Overtime charges per hour (after 12 hours duty)	90 Hrs	Rs. 70/ - per hour
5	Night Charges per night for stay beyond 11 PM	30 Nights	Rs. 332/ - per night

*** Note: Above Quantity is tentative and likely to be varied, payment shall be made as per actual usage of Quantity.**

D. Terms and Conditions:

1. Type of Vehicle must be 5-Seater or Higher or any equivalent type of Vehicle as per requirement with excellent running conditions.
2. The vehicle is to be arranged by bidder after duly verifying all relevant documents and statutory compliances at his own end. BHEL shall not be held responsible for any unlawful act, noncompliance, or violation arising from the operation, ownership, or use of the said vehicle.
3. Distance and time shall be taken into the account from garage to garage. However, these will be limited to 10 km and half an hour each way for the payment of purpose.
4. The above rates are inclusive of all charges towards driver, fuel, maintenance, lubricants, Insurance and statutory taxes etc. No other charges shall be payable.
5. Duty hours shall be 12 hours/ day. Depending on the site condition vehicle can be retained at Site throughout the night and continued next morning in which case overtime (OT) beyond 12 hours will be paid as per agreed rates.
6. Night charges and overtime charges shall not be paid concurrently beyond 11 pm.
7. The vehicle shall be petrol/ diesel driven and in excellent running condition. In case of break down alternate replacement vehicle shall have to be provided by the contractor otherwise BHEL will arrange the vehicle at the risk and cost of the contractor.
8. For running charges receipt of Fuel shall be attached along with bill.

9. The maintenance of vehicle shall be responsibility of Contractor. However suitable breaks for maintenance of vehicle shall be given as per convenience of BHEL, during this Contractor shall provide alternate vehicle.
10. All expenses towards state taxes/road tax, passenger taxes, road permits, pollution control certificate, insurance, driver's license etc. shall be borne by the Contractor. No claim in this regard will be entertained by BHEL.
11. Mobile Phone is compulsory for each driver who is on duty.
12. All legal responsibility of the vehicle shall be of Contractor. Photocopy of all statuary requirements i.e. pollution test certificate, challan, vehicle registration book, driving license, ownership documents etc. will have to be made available/submitted to BHEL by the Contractor.
13. Toll tax and parking charges shall be paid by Contractor which will be reimbursed to him by BHEL, as per actual, on submission of receipt.
14. Vehicle shall be used at site as per requirement till completion of work, if work completed before the contract period BHEL reserves the right to terminate the contract.
15. The vehicle may be required to be taken, outside Suratgarh plant area whereby the same rates will be applicable.
16. During contract, if there is any dispute then the decision taken by the legal advisor appointed by BHEL shall be binding on both parties.
17. The meter reading shall be checked at random intervals to ensure its correctness.
18. Driver engaged shall be courteous and well behaved. Safety of driver, his accommodation, food and other facilities for the driver have to be arranged by Contractor.
19. All bills shall be accompanied by vehicle Log book, duly completed and signed by the users.
20. No payments shall be made for the unsigned mileage reflected in the Log book.
21. Payment shall be made after completion of work on receipt of bills and duly verified by BHEL engineer in-charge by electronic transfer to the account in the bank identified by the Contractor.