

BHARAT HEAVY ELECTRICAL LIMITED, BHOPAL		REV: 08	
TECHNICAL SPECIFICATION CUM COMPLIANCE CERTIFICATION FOR RADIAL ARM DRILLING MACHINE 80 MM CAPACITY			
NOTE:-			
1. Vendor must submit complete information against clause sl. No 26.0 (Qualifying Conditions). The offer meeting this clause would only be processed.			
2. The "Offered" Column and where applicable, the "Deviations" & "Remarks" Column of this format shall be filled in by the Vendor and submitted along with the offer. Inadequate / incomplete, ambiguous, or unsustainable information against any of the clauses of the specifications/requirements shall be treated as non-compliance.			
3. The offer and all documents enclosed with offer should be in English language only.			
4. All dimensions are in mm unless otherwise stated.			
ADDRESS OF THE SUPPLIER :		ADDRESS OF THE INDIAN AGENTS(if any) :	
E-MAIL ADDRESS :		E-MAIL ADDRESS :	
TELEPHONE NOS.:		TELEPHONE NOS.:	
S. No.	PARTICULARS	SPECIFICATIONS	VENDOR's OFFER REMARK(if any)
1.0	PURPOSE		
1.1	The Radial arm drilling machine will be used for drilling, tapping, spot facing, boring, counterboring etc. of holes in End frames, Foot assemblies, Top and bottom locking cross beams, Bottom and top tank Rim frame assemblies, bottom pad of turret assemblies, Pad and Flanges and Blanking plates of Power Transformer tank and Reactor tank assembly and all other similar general work. This machine will be operated on three shift basis.	Vendor to confirm	
2.0	SCOPE OF SUPPLY		
2.1	Drilling Machine		
2.1.1	Machine column construction shall have External column sleeve mounted on inner column. Machine arm assembled with Column sleeve and the Arm shall move up, down and radially. The machine shall consist of a vertical column mounted on the base plate. The horizontal arm moves up and down the column and can be locked at any position. Also the arm shall be manually swiveled about the column center and lock at any position. The drilling Head moves horizontally on the horizontal arm and can be locked at any position. The spindle is housed in the drilling head and can be moved up and down.	Vendor to confirm	
2.1.2	All casting shall be stress relieved sufficiently rigid to meet requirement of IS 2199	Vendor to confirm	
2.1.3	Spindle shall be precision hardened and ground- Hardness min.55-60 HRC Diameter Min. 102mm H6	Vendor to confirm	
2.1.4	Diameter of Revolving sleeve (external) column : Min 550 mm	Vendor to confirm	
2.1.5	All gears shall be hardened and ground (supplier shall furnish the test report of item, if item is bought out then submit all the relevant document during PDI)	Vendor to confirm & note	
2.1.6	Electromagnetic Fraction disc clutch and brake shall be provided for starting and stopping the spindle.	Vendor to note	
2.1.7	Column of machine (Internal fix column & external Revolving sleeve shall properly integrated with Thrust Bearing). Vendor shall furnish the detail construction, drawing etc. of Column. All the bearing shall be of reputed make. Vendor to specify the bearing make.	Vendor to submit drg. & note	
2.1.8	Column shall be centred by a Radial Ball bearing or a roller Bearing at the Top and a special Roller bearing at the bottom. Thus the arm, which is mounted on the sleeve shall swing easily to a light touch of finger. Vendor shall furnish the details, drawing etc. of Column.	Vendor to submit the drg. & note	

[Signature]

*for release
purview, I have
seen the specifications
Valid for all pages.*

[Signature]
Checked and marked
correct of drawings

*for Erection
supervision
only*

2.1.9	Column material shall be CI.GR.FG 260 ,IS210 and weight of column alone shall be Min. 1900 Kg. Wall thickness should be uniform in casting	Vendor to confirm		
2.1.10	Arm elevating screw material shall be C45 toughen , 80-90 Kg/mm ² and trapezoidal Thread of Min M48 X 3 Pitch	Vendor to confirm		
2.1.11	Arm material shall be CI.GR.FG 260 ,IS 210 and Hardness shall be Min 200 BHN.	Vendor to confirm		
2.2.0	ACCESSORIES			
2.2.1	Cast iron box table with T-Slots min. 1000 mm x 750 mm x 500 mm: 1 No.	Vendor to confirm		
2.2.2	Tapping attachment with collects- M6 to M24- 1 No.	Vendor to confirm		
2.2.3	Tapping attachment with collects- M24 to M48- 1 No.	Vendor to confirm		
2.2.4	Reduction Sleeves MT5 to MT4, MT4 to MT3, MT3 to MT2, MT2 to MT1- 1 No. Each = 1 set	Vendor to confirm		
2.2.5	Coolant equipment with pump and motor 1 no.	Vendor to confirm		
2.2.6	Machine lamp for 220 V : 1 no to be provided as built in with Headstock for sufficient illumination of complete working area for clear visibility.	Vendor to confirm		
2.2.7	A magnetic base 24-volt portable spotlight with sufficiently long cable should also be provided.	Vendor to confirm		
2.2.8	All light fittings, consumables, adapters/receptacles should have compatibility with Indian equivalents	Vendor to confirm		
2.3.0	ESSENTIAL ITEMS			
2.3.1	First filling of all required Oils & Grease etc. to be supplied by vendor. Indigenous (Indian) source or Indian equivalent and specifications of oils/ greases are also to be provided by the vendor.	Vendor to confirm		
3.0	CAPACITY			
3.1	Drilling in steel (50kgf/mm ²) :Min. 80 mm	Vendor to confirm		
3.2	Drilling in cast iron (BHN 180) :Min. 95 mm	Vendor to confirm		
3.3	Drilling in High Tensile Strength (HTS) Steel [yield=690Mpa, Tensill=770to940 Mpa]: Min. 80 mm,	Vendor to confirm		
3.4	Boring in High Tensile Strength (HTS) Steel [yield=690Mpa, Tensill=770to940 Mpa] (in steps) : Min. 120 mm	Vendor to confirm		
3.5	Tapping in steel - Metric fine thread: Min. M 60 x 4	Vendor to confirm		
4.0	DRILL HEAD			
4.1	Taper in spindle MT6	Vendor to confirm		
4.2	Number of spindle speeds : Min 16 (variable speed is also acceptable)	Vendor to confirm		
4.3	Speed range standard RPM min 16 - 1200 (± 5 %) or better	Vendor to confirm		
4.4	Number of auto feed Min. 12	Vendor to confirm		
4.5	Feed range mm/rev : min 0.03 to 2.5 or better	Vendor to confirm		
4.6	Quill diameter	Vendor to specify		
5.0	ACCURACY			
5.1	H12(+ 0.4 mm Max.) by 80 mm Drill & finish shall be in between 6.3 to 12.5 micron or better.	Vendor to confirm		
5.2	Reamed Hole finish shall 20 micron or better. (Any bored Hole above 80 mm)	Vendor to confirm		
6.0	WORKING RANGE			
6.1	Drilling radius maximum : 2500 mm or more	Vendor to specify		
6.2	Drilling radius minimum :750 mm or less	Vendor to specify		
6.3	Quill(Spindle) traverse: Min. 450 mm	Vendor to specify		

6.4	Distance between Base plate to spindle : max.2100 mm or more : minimum 600 mm or less	Vendor to specify		
6.5	Drilling head traverse : min 1750 mm	Vendor to specify		
6.6	Distance between spindle axis and column face: Min 500 mm or less : Max 2150 mm or more	Vendor to specify		
6.7	Swivel of Arm 360 Deg / ± 180 degree	Vendor to specify		
6.8	Powered clamping mechanism of arm on the machine column	Vendor to specify		
7.0	POWER			
7.1	Power main motor : min. 11 kW	Vendor to specify		
7.2	Power arm motor : min 3.7 kW	Vendor to specify		
7.3	Hydraulic pump motor : min 0.37 kW	Vendor to specify		
8.0	WEIGHT, DIMENSION & SPECIAL FEATURES			
8.1	Arm guid surface shall be precision, hardened and ground. Arm guide way length Min. 2700. Total width of arm guideways : Min 400 mm , Upper guide width Min 85 and Lower guide arm width shall be min 95 mm., Thickness of guide way min 35 mm. Please furnish the sketch for more clarity.	Vendor to specify		
8.2	Overall Dimension of Drilling Machine	Vendor to specify		
8.3	Hardened and precision ground gears in the main drive	Vendor to confirm		
8.4	Electro-hydraulic clamping through push button	Vendor to confirm		
8.5	Spindle reversal for tap withdrawal	Vendor to specify		
8.6	Automatic spindle feed with auto stop	Vendor to confirm		
8.7	Manual feed coarse & smooth	Vendor to confirm		
8.8	Graduated Dials on headstock shall be of Stainless Steel / Chromium plated.	Vendor to confirm		
8.9	Details of flood coolant system (around 15 lpm @ 1 bar pressure at discharge end near the tool tip) with valve arrangements to be provided. Independent coolant pump units to be provided.	Vendor to provide details		
8.10	Power & speed rating of Electric Motors for a) Spindle b) Arm Elevation c) Drill Head Traverse on Arm, d) Column Travel and e) Coolant Pump .	Vendor to furnish		
9.0	BASE PLATE			
9.1	Working surface of base plate (l x w):min. 2730 x 1400 mm	Vendor to specify		
9.2	Height of Base plate :min. 220 mm	Vendor to specify		
9.3	Overall size of base plate :min. 3100 x1015 mm	Vendor to specify		
9.4	'T' slot dimension : 4 Nos, x 28 Width x 250 mm pitch.	Vendor to specify		
9.5	Number of 'T' slot /spacing:Min 4/ 250 mm	Vendor to specify		
10.0	ELECTRICAL SYSTEM:			
10.1	415 +/- 10 % volts , 50 +/- 3 % Hz, 3 Phase AC (3 wire system with out neutral) Power Supply Source will be provided by BHEL at a single point near the machine, as per layout recommended by Vendor. All types of cables, connections, circuit breakers etc. required for connecting BHEL's power supply point to different parts of the machine/control cabinets, shall be the responsibility of vendor.	Vendor to confirm		
10.2	All electrical equipment shall be Tropicalized	Vendor to confirm		
10.3	All electrical control cabinets & panels should be dust and vermin proof	Vendor to confirm		
10.4	All electrical components in the cabinets should be mounted on DIN Rail	Vendor to confirm		


10.5	All electrical panels should be provided with CFL lamps for sufficient illumination and power receptacles of 220Volts, 5/15 Amp AC. All adapters/receptacles should have compatibility with Indian equivalents.	Vendor to confirm		
10.6	Motors shall be from M/s Siemens / ABB or other reputed make conforming to IEC and acceptable to BHEL	Vendor to confirm		
10.7	The cable trays required for laying of cables should be included in the offer.	Vendor to provide details.		
10.8	Vendor should ensure the proper earthing for the machine and its accessories.	Vendor to confirm		
11.0	OPERATION AND CONTROL SYSTEM:			
11.1	OPERATOR'S PANEL: Operator's panel in-built on the drill head is preferred. All switches on the Operator's panel should be within reach of operator for convenient, efficient & safe operation. All indications should also be conveniently placed accordingly.	Vendor to provide details		
12.0	SAFETY ARRANGEMENTS:			
12.1	Machine should have adequate and reliable safety interlocks / devices to avoid damage to the machine, work piece and the operator due to the malfunctioning or mistakes.	Vendor to specify the interlocks provided.		
12.2	Detailed list of all alarms / indications provided on machine should be submitted by the Vendor.	Vendor to confirm		
12.3	All the pipes, cables etc. on the machine should be well supported and protected.	Vendor to confirm		
12.4	All the rotating parts used on machine should be statically & dynamically balanced to avoid undue vibrations and suitable covers to be provided.	Vendor to confirm		
12.5	Projection of operating levers / Hand wheel on the drill head if any shall not be hindrance to operator safety.	Vendor to confirm		
13.0	ENVIRONMENTAL PERFORMANCE OF THE MACHINE: [The Machine shall conform to following factors related to environment]			
13.1	Maximum noise level shall be 85 dB (A) at normal load condition, 1 M away from the machine with correction factor for back ground noise, if necessary. This will be measured as per international standards like DIN 45635-16. Vendor to demonstrate compliance to noise level, if so required.	Vendor to confirm		
13.2	If any safety / environmental protection enclosure is required it should be built in the machine by the vendor.	Vendor to furnish		
14.0	PAINTING:			
14.1	Paint of the machine should be oil / coolant resistant and should not peel off and mix up with coolant.	Vendor to confirm		
14.2	Painting of Machine/ Electrical Panels: RAL 6011 Apple Green (Polyurethane Paint)	Vendor to specify		
15.0	PACKING:			
15.1	Rigid packing for all items of complete equipment.	Vendor to confirm		
15.2	Reduction sleeves, both long & short series.	Vendor should furnish list and details		
15.3	Utility tools like drifts and cotter pins of all sizes (2 sets)	Vendor to confirm		
15.4	Sea worthy & rigid packing for all items of complete machine, all Accessories and other supplied items to avoid any damage/loss in transit. When machine is dispatched in containers, all small loose items shall be suitably packed in boxes	Vendor to confirm		


16.0	LEVELING & ANCHORING SYSTEM			
16.1	Complete anchoring system including foundation bolts, anchoring materials, fixtures, leveling shoes etc shall be supplied for the Machine etc.	Vendor to confirm		
17.0	TOOLS FOR ERECTION, OPERATION & MAINTENANCE			
17.1	The vendor shall bring special tools and equipment required for erection of the machine. Necessary tools like Torque Wrench, Spanners, Keys, grease guns etc. for operation & maintenance of the machine should be supplied. List of such tools shall be submitted with offer.	Vendor to confirm		
17.2	Test mandrel for checking spindle run-out & alignment should be supplied	Vendor to confirm		
18.0	GENERAL POINTS			
18.1	The offer shall clearly indicate the list of standard accessories that will be supplied along with the machine	Vendor to confirm and enlist		
18.2	All hydraulic elements shall be of Vickers/Rexroth make	Vendor to confirm and enlist		
18.3	All electrical devices like contactors, relays and limit switches, push buttons etc. shall be from Siemens / L&T / Alstom / Cuttler Hammer / Telemecanique.	Vendor to confirm and enlist		
18.4	All components/devices/terminals are to be incorporated with ferrules. (Numbered)	Vendor to confirm		
19.0	GEOMETRICAL ACCURACIES			
19.1	Geometrical Accuracy Tests shall be as per international standards IS:2199. Detailed Test Charts for the same, clearly showing the accuracies to be achieved on the machine, shall also be submitted with the offer.	Vendor to confirm		
19.2	All the above accuracies to be demonstrated to BHEL engineers during pre-acceptance tests at Vendors works and during Erection & Commissioning at BHEL Works.	Vendor to confirm		
20.0	AMBIENT CONDITIONS & THERMAL STABILITY			
20.1	Total machine and all supplied items should work trouble free and efficiently under following operating conditions and should give specified accuracies. Ambient Conditions: Temperature = 25 to 50 Degree Celsius; Relative Humidity = 95% maximum.	Vendor to confirm		
20.2	Weather conditions are tropical, Atmosphere may be dust laden during some part of the year. Machine shall be kept in the normal shop floor condition. Max. Temperature variation is up to 25 deg Celsius in 24 hours.	Vendor to confirm		
20.3	The machine, including attachments and accessories, should be suitable for 24 hrs. Continuous operation to its full capacity for 24 hour a day and 7 days a week throughout. Vendor to ensure and confirm the same.	Vendor to confirm		
21.0	INSPECTION (Pre-dispatch):			
21.1	Pre-dispatch testing and inspection of the machine will be witnessed by BHEL at the supplier's works for capacity and parameters. An inspection call shall be given by the supplier at least 20 days before the date of inspection. Four copies of inspection & test certificate and guarantee certificate shall be submitted and got approved before dispatch.	Vendor to confirm		

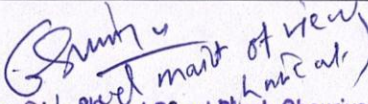
21.2	MACHINE ACCEPTANCE : (Tests/Activities to be Performed by Vendor)	Vendor to note		
21.3	Physical inspection of all features, assemblies, subassemblies, control panel, bought out items and all accessories shall be done to the full satisfaction of BHEL representative.	Vendor to confirm		
21.4	Machine shall be tested as per latest IS:2199	Vendor to confirm		
21.5	Geometrical Accuracy Tests as per test chart.	Vendor to confirm		
21.6	The machine should be tested for continuous running of 48 hrs. If any break down occurs during this test, the test should be repeated for 48 hrs from that time.	Vendor to confirm		
21.7	Full load test to demonstrate the maximum power & drilling & boring capacity of the machine.	Vendor to confirm		
21.8	Tests/Activities should be carried out at supplier's works on the machine before dispatch: (Pre dispatched Inspection)	Vendor to note		
21.9	Demonstration of all features of the machine and accessories	Vendor to note		
22.0	ERECTION , COMMISSIONING & ACCEPTANCE OF MACHINE AT BHEL WORKS			
22.1	Machine shall again to be tested as per latest IS:2199 at Bhopal works	Vendor to confirm		
22.2	Geometrical Accuracy Tests as per test chart.	Vendor to confirm		
22.3	Full load test to demonstrate the maximum power & drilling capacity of the machine.	Vendor to confirm		
22.4	The machine should be tested for continuous running of 48 hrs. If any break down occurs during this test, the test should be repeated for 48 hrs from that time.	Vendor to confirm		
22.5	Supplier will be solely responsible for the erection, commissioning & proving the machine at BHEL Bhopal works. Vendor to provide supervision for carrying out the erection, start up, testing of machine, it's control system & all types of other supplied equipment, drilling / tapping, machining of test pieces etc. Service requirement like electricity, air & water shall be provided by BHEL at only one point to be indicated by Vendor in their foundation/layout drawings in advance.	Vendor to confirm		
22.6	The machine is to be erected at the site by the supplier with their own manpower, tools & tackles etc. Other erection equipments like mobile crane, measuring instruments & devices for testing & commissioning of machines should be brought by the supplier on returnable basis. However, EOT Crane will be provided on the availability.	Vendor to confirm		
22.7	Actual job (It included Drilling, Boring, tapping, spot facing, tapping etc.) shall be proved at BHEL Bhopal in all respect for accuracy and performance during commissioning. Special tools for equipment proving, if any, shall be brought by the supplier.	Vendor to confirm		
22.8	The machine should be able to work on parameters and capacities guaranteed in the offer. Vendor shall furnished the cutting parameter (feed & RPM) in the offer for prove out of 80 mm direct drilling in steel to achieve the Finish and tolerance.	Vendor to confirm		
22.9	To check out the max. drilling capacity, Hole finish, performance & other cutting parameter etc. Machine shall be tested out by making Minimum 25 Holes of min Drill size 80mm or nearest to 80mm and Boring the hole to minimum 110 mm on High Tensile Strength (HTS) steel plate of Minimum in the range of 80 mm to 120 mm thick plate available at the time of proving.	Vendor to confirm & submit the cutting parameter		
22.10	Demonstration of Machine drilling performance & capacity shall be checked out. Holes tolerance class shall be of H12 (+0.4 MM Max), & Drill finish shall be in between Ra 6.3 to 12.5 micron.	Vendor to note & confirm		
22.11	All tooling required for proving at supplier & at BHEL works shall be arranged & are in the supplier scope.	Vendor to note & confirm		
22.12	Successful proving of BHEL components by the Vendor shall be considered as part of commissioning. All tests, as mentioned at Machine Acceptance shall form part of the commissioning activity.	Vendor to confirm		
22.13	Completed commissioning & demonstration of all the features of machine/equipment's to the entire satisfaction of BHEL is the sole responsibility of vendors at BHEL Bhopal work. Complete commissioning, testing including all the test is in the scope of supplier.	Vendor to confirm		

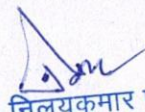
22.14	Portion, if any, of the machine, accessories and other supplied items where paint has rubbed off or peeled during transit or erection should be repainted and merged with the original surrounding paint by the vendor. For this purpose, the vendor should supply sufficient quantity of touch-up paint of various colors of paint used.	Vendor to confirm		
22.15	Detail schedule for E&C should be furnished by vendor along with offer.	Vendor to confirm		
23.0	DOCUMENTATION:			
23.1	Four sets of following documents (Hard copies) in English language should be supplied along with the machine.	Vendor to confirm		
23.2	Operating and maintenance manuals of the machine/equipment. Maintenance manual of equipment should contain System Description, Schematic drawings, Circuit diagrams & hardware details, Trouble shooting charts, All Assembly/ Sub Assembly Drawings shall be supplied with the part list/Bill Of Materials also.(After placement of order)	Vendor to note & confirm		
23.3	Catalogues, O&M Manuals and drawings of all bought out items, bearings wherever applicable.	Vendor to confirm		
23.4	Electronic and electrical interconnecting drawings (i.e. between machine, control panel and drives). Hard Copy in Original: 4 Nos.	Vendor to confirm		
23.5	Specification with drawings of clutch plates & brake plates.	Vendor to confirm		
23.6	Hydraulic, coolant, lubrication and Electrical circuits with BOM	Vendor to confirm		
23.7	Detailed specification of all rubber items and hydraulic/lube fittings	Vendor to confirm		
23.8	The vendor shall submit complete Master List of parts used in the machine.	Vendor to confirm		
23.9	One additional set of all the above documentation on CD ROM, wherever possible	Vendor to confirm		
23.10	Pre dispatch Inspection report and Guarantee certificate of the equipment	Vendor to confirm		
24.0	GUARANTEE:			
24.1	The radial arm drilling machine should be guaranteed for 24 months from the date of commissioning. Free after sales services is to be provided during the guarantee period including free replacement of defective parts, if any.	Vendor to confirm		
25.0	GENERAL: THE SUPPLIER SHOULD FURNISH THE FOLLOWING INFORMATION ALONG WITH THE OFFER			
25.1	Equipment model	Vendor to specify		
25.2	Total connected load (KVA) :	Vendor to specify		
25.3	Total weight of the machine	Vendor to specify		
25.4	Floor area required (Length, Width, Height) for complete equipment & accessories	Vendor to specify		
25.5	Detailed catalogues, sketch/ photographs and technical literature of the machine and accessories/ attachments. Civil work for foundation which is in the scope of BHEL must be specified with diagrams. Vendor shall furnish the foundation details.	Vendor to submit.		
25.6	General arrangement drawing of the machine showing the constructional features, etc should be furnished along with the offer.	Vendor to specify		
25.7	Accessories, consumables and supporting facilities	Vendor to specify		
25.8	Separate lump-sum charges for erection, commissioning and proving may be indicated in the offer.	Vendor to confirm		
25.9	Compressed air, 3 phase 3 wire 415V AC supply point, and material movement facility shall be provided by BHEL.	Vendor to note		
25.10	Three wire connection WITHOUT NEUTRAL shall be given at one point. Machine to operate on 415 +/- 10 % volts, 50 +/- 3 % Hz. Proper wiring to be done.	Vendor to note		

26.0	QUALIFYING CONDITION:			
26.1	The vendor should be an Original Equipment Manufacturer (OEM) or an authorised dealer of the OEM for the offered equipment. Dealers have to submit along with the offer, a valid Certification of Authorization from OEM for the equipment.	Vendor to Submit		
26.2	Only those vendors who have supplied at least One Radial arm drilling machines drilling capacity 80 mm dia or higher capacity in the past ten years and presently working satisfactorily should quoted in the tender. The information sought in the subsequent clauses is to be submitted by the vendor fully satisfying the conditions in this clause about the companies where similar machine have been supplied. This is required from all the vendors for qualification of their offer.	Vendor to Confirm		
26.2.1	Copy of Purchase Order (PO) in the name of OEM for machine or its authorised dealer/vendor is to be submitted along with the offer. The type, make and model number of the machine should be clearly mentioned in the PO copy.	Vendor to Submit		
26.2.2	Name of the customer(s)/company(s) where referred model machine is installed.	Vendor to specify		
26.2.3	Month & Year of commissioning	Vendor to specify		
26.2.4	Complete postal address of the customer.	Vendor to Inform		
26.2.5	Name and designation of the contact person of the customer.	Vendor to Inform		
26.2.6	Phone, FAX no, and email address of the contact person of the customer	Vendor to Inform		
26.3	Performance certificate from the customers regarding satisfactory performance of machine supplied to them vide Purchase Order (Original Certificate or through Email directly from the customer). The original performance certificate may be returned after verification by BHEL, if required. The Performance Certificate submitted should be recently issued (i.e. its date of issue should not be more than 1 year old from the tender opening date) from the customers. Note: Vendor to indicate clearly the PO Number, PO Date and Date of Commissioning/final handover of the machine on the performance certificate.	Vendor to confirm		
26.4	FINANCIAL PQC: Vendor should have minimum average annual turnover of Rs. 19.13 lakhs for the last three consecutive financial years. Vendor to submit audited Profit & Loss Account Statement and balance sheet of last three consecutive years as documentary evidence for the same. For Micro & Small Enterprises (MSE) & Start-Up Vendors, in line with GOI circular 1(2)(1)/2016-MA dated 10/03/2016 and Ministry of Finance circular No.F.20/2/2014-PPD(Pt.) dated 20/09/2016, relaxation permitted for prior turnover criteria only. However, prior experience is mandatorily required and no relaxation in this regard shall be given.	Vendor to Confirm & Submit		
26.5	BHEL reserves the right to verify the information provided by vendor at their referred customer's works including machining accuracies. It shall be the responsibility of the vendor to facilitate the visit of BHEL's team at their referred customer's works. The Travel and Boarding expenses for BHEL Personnel shall be borne by BHEL. In case the information provided by vendor is found to be false / incorrect, the offer shall be rejected.	Vendor to confirm		


एच.सी. गज्जभिये / H.C. GAJBHIYE
वरि. प्रबंधक / Sr. Manager
एफ. डब्ल्यू.एम. विभाग / FWM Division
बी.एच.ई.एल., भोपाल / BHEL, BHOPAL


अंकुर जैन / ANKUR JAIN
प्रबंधक / MANAGER
एफ.एच.एक्स.अनु. / F.H.X. Maint.
बी.एच.ई.एल., भोपाल / B.H.E.L., BHOPAL


गोपाल सिंह चौरिया / Gopal Singh Chauriya
प्रबंधक / MANAGER
एफ.एच.एक्स. खण्ड-1, अनु. / F.H.X. Maint. Block-1
बी.एच.ई.एल., भोपाल / B.H.E.L., BHOPAL


निलयकुमार एस. पाटिल
अभियंता (सी. एम. एक्स.)
इंस्ट्रक्शन एवं बुड वर्किंग
कारखाना इंजी. एवं सेवाएं
बी.एच.ई.एल., भोपाल