

FA / RC FOR PURCHASE OF GUN METAL VALVES- ENQUIRY No. E2360013
SCHEDULE-I
PRE QUALIFICATION REQUIREMENTSHALL BE AS UNDER:

Supplier fulfilling the following requirement will be eligible for this tender:				
SL	REQUIREMENT			RESPONSE
1	Average annual financial turnover during the last three years ending 31 March of the previous financial years should be at least Rs. 90 Lacs. {Refer Note (ii)}			Rs..... Lakhs ☐ Document Submitted
2	Experience of supplying Double Flanged Gun Metal Valves / Gun Metal Valves to Indian utilities during last 3 years ending last day of the month previous to the one in which tender is invited. For qualification, bidder has to submit documentary proof of 10% of supply of each of the sizes for which quoted {refer Note (iii)}			☐ Document Submitted
3	Monthly supply capacity should not be less than quantity as under:			
SL NO.	Material Description	NIT Qty. (Nos.)	Required Monthly Capacity (Nos.)	Bidder's Monthly Capacity (Nos.)
i	12 NB GM GLOBE VALVE AS PER TR20036V	500	30	
ii	15 NB DF GM VALVE AS PER TR20036V	400	25	
iii	50.8 / 50 NB DF GM VALVE AS PER TR25045V	600	35	
iv	76.2 / 75 NB DF GM VALVE AS PER TR25001V	100	10	
v	80 NB DF GM BF VALVE AS PER TR25122V	400	25	
vi	100 NB DF GM BF VALVE AS PER TR25122V	250	15	
vii	150 NB DF GM VALVE AS PER TR25121V	50	5	
viii	200 NB DF GM VALVE AS PER TR25121V	450	25	
ix	250 NB DF GM VALVE AS PER TR25121V	100	6	
x	15 NB GM VALVE AS PER TR20036V	2000	110	
xi	25 NB GM VALVE AS PER TR20036V	7000	380	
	Total	11850		
4	New vendors who are not registered with BHEL, Jhansi must submit duly filled "Supplier Registration Form (SRF)" along with the requested documents. The SRF is available on line on our website www.bhel.com .			☐ Document Submitted

DF = DOUBLE FLANGED
GM = GUN METAL
Note:- (i) Criteria at Sl. No. 4 is desirable. Other are mandatory.

- Audited Balance sheet including Profit & Loss Statement of last three financial years have been enclosed. In case the Balance Sheet of the last financial year is not yet audited, the un-audited balance sheet of the last financial year can be enclosed along with certificate of CA.
- Order Copy & Completion Certificate/ Tax Invoices etc. of supplies made to Indian Utilities like Power Grid/ NTPC/ NHPC/ DVC/ NPCIL/ SJVNL/ State Electricity Boards etc. and reputed Transformer Manufactures like BHEL/ ABB/ Alstom/ Crompton Greaves/ Bharat Bijalee/ TELK/ EMCO etc. Details as mentioned in **Annexure A** has been filled and supporting documents are submitted.
- Our offer is liable to be rejected in case non submission of documentary proof as required above. We also agree for penal action from BHEL in case any of the above information furnished is found to be false.

**(Signature of the Supplier
with Name, Designation & Seal)**

FA / RC FOR PURCHASE OF GUN METAL VALVES- ENQUIRY No. E2360013
SCHEDULE-I
ANNEXURE A
DATA TO BE SUBMITTED BY BIDDER FOR QUALIFYING CRITERIA -VALVES FA/RC

Sl. No. (1)	NOMINAL SIZE OF VALVE (Material Description) (2)	NIT Qty. (Nos.) (3)	Order ref Nos. & date (4)	Customers Name (5)	Total Qty. Suppd (6)	Suppd / NIT Qty in % (7)	Whether Proof for column 4-7 enclosed (put Yes / No) (8)
i	12 NB GM GLOBE VALVE AS PER TR20036V	500					
ii	15 NB DF GM VALVE AS PER TR20036V	400					
iii	50.8 / 50 NB DF GM VALVE AS PER TR25045V	600					
iv	76.2 / 75 NB DF GM VALVE AS PER TR25001V	100					
v	80 NB DF GM BF VALVE AS PER TR25122V	400					
vi	100 NB DF GM BF VALVE AS PER TR25122V	250					
vii	150 NB DF GM VALVE AS PER TR25121V	50					
viii	200 NB DF GM VALVE AS PER TR25121V	450					
ix	250 NB DF GM VALVE AS PER TR25121V	100					
x	15 NB GM VALVE AS PER TR20036V	2000					
xi	25 NB GM VALVE AS PER TR20036V	7000					
	Total	11850					

We agree that our bid is liable to be rejected in case of incomplete data / false declarations.

**(Signature of the Supplier
with Name, Designation & Seal)**

FA / RC FOR PURCHASE OF GUN METAL VALVES- ENQUIRY No. E2360013

SCHEDULE-II

Instruction to bidders and Terms & Conditions for supply of Gun Metal Valves under Rate Contract Enquiry No: E2360013

Sealed tenders are invited in Two-Part Bid system for purchase of Gun Metal Valves as per various drawings of BHEL, specifications and terms & conditions mentioned in the Schedules -“I to VII”. The supplies against this rate contract enquiry shall be subject to our general Terms and conditions of enquiry and PO. In addition, the terms and conditions given under this Schedule shall specifically apply to this enquiry. Should there be any difference between the general Terms and conditions of enquiry and PO and the conditions included in this Schedule, the latter shall prevail.

1. **General** :- Lot wise quantity and delivery schedule indicated in the enquiry sheet is tentative. Actual procurement will be carried out progressively as per our requirement against the rate contract. After finalization, the rate contract (RC) will be valid for two years.

The Gun Metal Valves shall be supplied in accordance with the rating, technical requirements etc. as intimated by BHEL, at the time of actual ordering.

The quoted rate shall be on FOR BHEL Jhansi basis shall be inclusive of all tooling cost, packing & forwarding charges, freight and shall be strictly in accordance with the requirement of price format Schedule. III & IIIA, and no extra charges shall be payable on whatsoever account.

2. **Procedure for Bid submission**: - Offer shall be submitted by the bidders in two parts through our e-Procurement Portal having URL Address: <https://bheleps.buyjunction.in/BQEPS/security/getSignInAction.do> by obtaining a Class –III Digital Signature Certificate (DSC) having both SIGNING CERTIFICATE & ENCRYPTION CERTIFICATE facilities from the certifying authority in India.

Bidders will necessarily submit the duly signed and stamped copy of BHEL drawings/ specifications along with offer as a token of acceptance of these drawings/ specifications. This is mandatory requirement for technical evaluation of the offers.

In case it becomes necessary to deviate in any of the above, the deviations must be clearly brought out in bid Part-A of the offer. Any deviation to INTEGRITY PACT' is not acceptable.

3. **Bid Opening** :- The 'Techno-commercial' part of the bid i.e. Bid Part – A of the offers shall be opened on the due date of tender opening. Clarifications, wherever required on this part, shall be obtained from the bidders for their evaluation. The Price bid Part-B of such vendors alone shall be opened whose techno-commercial bids are found acceptable. The date of 'Price bid -Part B' opening shall be intimated later on.

Alternatively: BHEL reserves the right to go for a **REVERSE AUCTION** i.e. “Online Bidding on Internet” instead of opening the price bid. For the proposed reverse auction, techno-commercially acceptable bidders only would be allowed to participate in this. For this purpose, BHEL's authorized service provider will contact the qualifying suppliers separately. In case the number of vendors participating in English Reverse Auction is less than BHEL's requirement, relative status for balance vendors shall be taken from the dynamic sealed bid for counter offer. BHEL reserves the right to accept or reject the results of reverse auction. In case the results of reverse auction are not acceptable or reverse auction fails, BHEL may decide to go for opening of the sealed price bids.

FA / RC FOR PURCHASE OF GUN METAL VALVES- ENQUIRY No. E2360013
SCHEDULE-II

4. **Bid Evaluation:** - The bid shall be evaluated for each item of on total delivered cost to BHEL (-LCNC-) taking into account all duties/taxes/Cess etc. as could be applicable on the date of tender opening (bid part-A). Bidders may note that quoted rates shall be loaded for any deviation from the terms & conditions given in this enquiry, to arrive at LCNC rate.
 5. **Pricing Terms:** - Material will be supplied on finished basis and rate so quoted shall be based on the rate of "Copper Cathode (Full) of Rs. 353.167 per kg as declared by M/s HCL for the month of Sept. 2016. Final rate payable shall be based on PVC (Price Variation Clause) clause.
 6. **PVC Clause:-** PVC shall be calculated as per formula given below and based on HCL base price of "*Copper Cathode (Full) on one month prior to schedule delivery OR actual delivery, whichever is less. In case early delivery required by BHEL, then HCL base price of "Copper Cathode (Full) on one month prior to actual delivery shall be considered*.
- Final Rate = PO rate + 80% x {(*Copper cathode rate as above* – 353.167) x (design wt. of Valve)}**
7. **Technical Parameters and Tendered Quantity:-** Gun Metal Valves shall conform to the latest revision of the purchase specifications mentioned in Schedule - II. Tentative quantity break up into various rating /categories is mentioned below;

SL No.	Material Code	Material Description	Qty. (Nos.)
1	JS9006272600	12 NB GM GLOBE VALVE AS PER TR20036V	500
2	JS9006272550	15 NB DF GM VALVE AS PER TR20036V	400
3	BP9006014080	50.8 / 50 NB DF GM VALVE AS PER TR25045V	600
4	JS9006255170	76.2 / 75 NB DF GM VALVE AS PER TR25001V	100
5	TR171668A635	80 NB DF GM BF VALVE AS PER TR25122V	400
6	TR171668A636	100 NB DF GM BF VALVE AS PER TR25122V	250
7	TR171668A637	150 NB DF GM VALVE AS PER TR25121V	50
8	TR171668A638	200 NB DF GM VALVE AS PER TR25121V	450
9	TR171668A639	250 NB DF GM VALVE AS PER TR25121V	100
10	BP9006035770	15 NB GM VALVE AS PER TR20036V	2000
11	JS9006272560	25 NB GM VALVE AS PER TR20036V	7000

The above estimated requirement may vary within $\pm 30\%$. The breakup of the quantities can vary to any extent within the groups based on actual order booking with our customers and this shall be controlled by the total value of the rate contract on the specific vendor.

At the time of supply, test certificates as per Schedule of the POs must accompany each lot. Final inspection shall be at BHEL works, Jhansi.

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SCHEDULE-II

8. **Number of Suppliers:** - We need 2 suppliers for execution of this contract and the tentative distribution of quantities between L1 & L2 would be in the ratio of 70 : 30 approx. Actual ordering under rate contract shall be generally as per quantities allocated to the bidder, but limited to the capacity quoted by the bidder. The loading will also be subject to factors like (a) customer approval of vendors in specific projects, (b) Suppliers delivery and quality performance during execution of rate contract, (c) Pendency of orders on the supplier and (d) responsiveness in addressing post order completion issues at BHEL. In view of above factors the loading during execution of rate contract may vary with respect to allocated quantity.

The breakup of the quantities at sl. no. 7 can vary to any extent within the groups based on actual order booking with our customers and this shall be controlled by the total value of the rate contract on the specific vendor.

Note: During execution, if the performance of supplier is not up to the mark in respect of delivery / quality performance / quoted capacity of the bidder, BHEL reserves the right to either reduce further loading or stop loading till the execution of overdue orders. In such cases the balance allocated full or part quantity of the defaulting vendors may at the discretion of the BHEL Jhansi be re-distributed to other performing and willing vendors of the rate contract.

9. **Purchase from customer approved vendors:**- Bidders may note that GUN METAL VALVES for most of the customers is to be sourced from their approved vendors only. In those cases BHEL would place purchase orders pertaining to requirement of such contracts on the approved vendors of respective customer only. The percentage ordering, as per the contract, may therefore vary depending upon the nature of orders received by BHEL on account of sourcing from customer approved vendors.
10. **Terms of delivery:**- F.O.R. BHEL, Jhansi basis.
11. **Delivery Period:**- Generally GUN METAL VALVES is required in our stores within 6-8 weeks from PO / approval of drawing. Bidders to note that delivery beyond committed schedule will attract penalty for delay.
12. **Transit Insurance:** - By supplier. In case of insurance by BHEL, bidders shall have to comply with our general terms and conditions in this regard. Also bidder shall have to render all necessary assistance needed by BHEL to recover the damages from the insurers, in the event of claim arising under the policy.
13. **Payments Terms** :- 100% payment after 60 days of receipt and acceptance of material at BHEL works. The suppliers who are availing HDFC / SIDBI bill discounting facility (pay by BHEL in about 120 days from the date of invoice) with us will continue to get this facility. However, due to funds problems, this cannot be extended to other suppliers. For such suppliers standard payment terms shall be applicable for deciding tender. The bidders (micro & small) who are covered under MSMED Act- 2006 & quoted 45 days of payment after acceptance of material will also be treated as standard terms of payment. Both payment terms will be treated at par.
14. **Taxes & Duties:** - All taxes & Duties as applicable on the date of dispatch will be paid / reimbursed by BHEL and same will be loaded for price comparison on LCNC basis.

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SCHEDULE-II

15. **Guarantee:-** GUN METAL VALVES under this tender shall be free from any kind of manufacturing defects and shall be under guarantee for a period of 24 months from the date of dispatch or 18 months from date of commissioning, whichever is early.
16. **Rejection Replacement:-** Final inspection for acceptance of quality shall be at BHEL after receipt of material and results shall be binding on the suppliers. In case of rejection due to noncompliance to agreed specification and for the reasons attributable to the Vendor, the materials shall be replaced by vendor free of charge on "FOR BHEL works basis" including 'interalia' cost elements such as total transportation, insurance and other taxes/levies etc. as applicable. The rejected goods shall be subsequently returned to the Vendor at his cost.
17. **Inspection / Quality Checks and Quality Records:-** Pre-dispatch / source inspection may be carried out at vendors' works as per practice in vogue. However vendor :
- i) Shall maintain all records of input materials and finished Gun Metal Valves thereby establishing traceability. BHEL may conduct quality audit at supplier works for ensuring implementation of quality system.
 - ii) Shall carry-out all the Electrical & Mechanical tests as called for in the specifications and submit Test certificates for each lot of dispatch.
18. **Validity of Rate Contract:-** Two years from the date of finalization of rate contract (RC) by BHEL with additional time of three months for supplies.
19. BHEL reserves the right to short close the Framework agreement/ rate contract before its expiry at its sole discretion.
20. **Validity of Offer:-** Offer should be valid for a period of 90 days from the date of technical bid opening date for finalization of the contract.
21. **Levy of Penalty for delayed performance:-** Bidders to note that penalty @ 0.5% per week or part thereof subject to 10% maximum on undelivered portion shall be applicable for delay in supply beyond contractual delivery period. Bidders are requested to give specific acceptance for penalty clause. Date of receipt of material at BHEL works i.e. DRS date will be considered as proof of delivery for calculating delayed performance / penalty for indigenous bidders. However in case of foreign bidders, receipt of handing over of cargo to freight forwarder for without source inspection & material readiness and offered date for inspection at sources cases will be taken as proof of delivery for the same purpose.
22. **Integrity Pact (IP) – Independent external monitor (IEM) :-**
- (a) IP is a tool to ensure that activities and transactions between the Company and its bidders/Contractors are handled in a fair, transparent and corruption free manner. A panel of Independent External Monitors (IEMS) have been appointed to oversee implementation of IP in BHEL.
- The IP as enclosed with the tender is to be submitted (duly signed by authorized signatory who signs in the offer) along with techno-commercial bid. Only those bidders who have entered into such an IP with BHEL would be competent to participate in the bidding. In other words, entering into this Pact would be a preliminary qualification.

FA / RC FOR PURCHASE OF GUN METAL VALVES- ENQUIRY No. E2360013**SCHEDULE-II**

Details of IEM for this tender is furnished below:-

Name	Shri D.R.S Chaudhary, IAS (Retd.)
Address	Flat No. L-202 & L-203 (1st Floor) Ansal Lake View Enclave Shamla Hills Bhopal- 462 013 (M.P.)
Email	dilip.chaudhary@icloud.com

- (b) Please refer Section-8 of the IP for Role and Responsibilities of IEMS. In case of any complaint arising out of the tendering process the matter may be referred to the IEM mentioned in the tender.

No routine correspondence shall be addressed to the IEM (phone/post/email) regarding the clarifications, time extensions or any other administrative queries, etc. on the tender issued. All such clarification/issues shall be addressed directly to the tender issuing (procurement) department.

23. Bidders may note that suitable loading will be done for arriving at the LCNC price for any deviation from the general Terms & Conditions as preprinted overleaf of the enquiry.

(Rahul)
Sr. Engineer (MM)

HINDUSTAN COPPER LIMITED

A GOVT. OF INDIA ENTERPRISE

**SCHEDULE-II**

Registered & Head Office
Tamra Bhavan
1 Ashutosh Chowdhury Avenue
Kolkata - 700019

Ref: HCL/HO/MKTG/Cu-P/ 2016-2017

Date : 01-SEP-16

Sub: Basic Price of Cathodes and CC Rods for the month of SEP 2016.

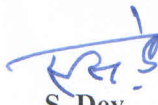
The Basic Price of Copper Cathodes and CC Copper Rods for the month of SEP 2016 are as follows:

Product	Basic Price (Ex-Works / Ex.Godown basis) Rs. / MT
CATHODE FULL ICC	353167
CONTINUOUS CAST COPPER WIRE ROD 11 MM	362452
CONTINUOUS CAST COPPER WIRE ROD 12.5 MM	362452
CONTINUOUS CAST COPPER WIRE ROD 16 MM	363166
CONTINUOUS CAST COPPER WIRE ROD 19.6 MM	364595
CONTINUOUS CAST COPPER WIRE ROD 8 MM	360309
CONTINUOUS CAST COPPER WIRE ROD NS	359909
COPPER CATHODE CUT	356809

The price ruling on the date of delivery will be applicable, irrespective of the date of making financial arrangements i.e. advance payment/opening of letter of credit. Excise duty, Education Cess, Secondary Higher Education Cess, Sales Tax, Octroi other statutory levies will be extra as applicable.

For purchase against usance Letter of Credit, the interest rate chargeable shall be @ 12 % per annum for the credit period up to 90/60/30 days .

Customers may note that the price and interest rate is subject to change without prior notice. The price and interest rate ruling on the date of delivery will be applicable irrespective of the date of their making financial arrangements. All bank charges of negotiating bank will be borne by us.


S. Dey
DGM(Marketing)

01.08.16.

FA / RC FOR PURCHASE OF GUN METAL VALVES- ENQUIRY No. E2360013

SCHEDULE-III

GENERAL TERMS & CONDITIONS OF REVERSE AUCTION

Against this enquiry for the subject item / system with detailed scope of supply as per enquiry specifications, BHEL may resort to **“REVERSE AUCTION PROCEDURE” i.e., ON LINE BIDDING (THROUGH A SERVICE PROVIDER)**. The philosophy followed for reverse auction shall be English Reverse (No ties).

1. For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate.
2. Those bidders who have given their acceptance for Reverse Auction (quoted against this tender enquiry) will have to necessarily submit 'online sealed bid' in the reverse auction. Non-submission of 'online sealed bid' by the bidder for any of the eligible items for which techno-commercially qualified, will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue.
3. BHEL will engage the services of a service provider who will provide all necessary training and assistance before commencement of on line bidding on internet.
4. In case of reverse auction, BHEL will inform the bidders the details of Service Provider to enable them to contact & get trained.
5. Business rules like event date, time, bid decrement, extension etc. also will be communicated through service provider for compliance.
6. Bidders have to fax the Compliance form (will be informed later on) before start of Reverse Auction. Without this the bidder will not be eligible to participate in the event.
7. In line with the NIT terms, BHEL has provided the calculation sheets (e.g. EXCEL sheets) which will help to arrive at "Total Cost to BHEL" like Packing & forwarding charges, Taxes and Duties, Freight charges, Insurance, Service Tax for Services and loading factors (for non-compliance to BHEL standard Commercial terms & conditions) for each of the bidder to enable them to fill-in the price and keep it ready for keying in during the Auction.
8. Reverse auction will be conducted on scheduled date & time.
9. At the end of Reverse Auction event, the lowest bidder value will be known on auction portal.
10. The lowest bidder has to fax / e-mail the duly signed and filled-in prescribed format for price breakup including that of line items, if required (will provide later on) as provided on case-to-case basis to service provider within two working days of Auction without fail.
11. In case BHEL decides not to go for Reverse Auction procedure for this tender enquiry, the Price bids and Price impacts, if any, already submitted and available with BHEL shall be opened as per BHEL's standard practice.
12. Bidders shall be required to read the "Terms and Conditions" section of the auctions site of Service provider, using the Login IDs and passwords given to them by the service provider before reverse auction event. Bidders should acquaint themselves of the "Business Rules of Reverse Auction", which will be communicated before the Reverse Auction.
13. If the Bidder or any of his representatives are found to be involved in Price manipulation / cartel formation of any kind, directly or indirectly by communicating with other bidders, action as per extant BHEL guidelines, shall be initiated by BHEL and the results of the RA scrapped / aborted.
14. The Bidder shall not divulge either his Bids or any other exclusive details of BHEL to any other party.
15. **In case BHEL decides to go for reverse auction, the H1 bidder (whose quote is highest in online sealed bid) may not be allowed to participate in further RA process.**

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उत्पाद मानक PRODUCT STANDARD

परिणामित्र TRANSFORMER

शाम/आका निर्देश SHOP/DO INSTRUCTION

SCHEDULE-IV

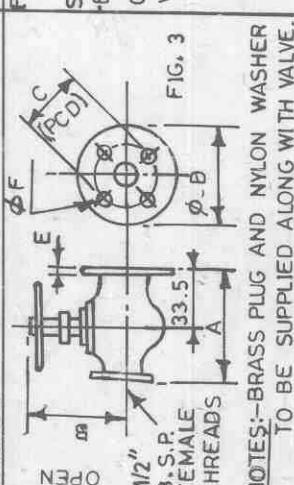
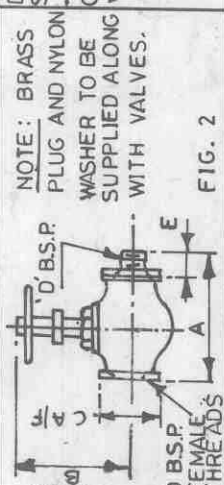
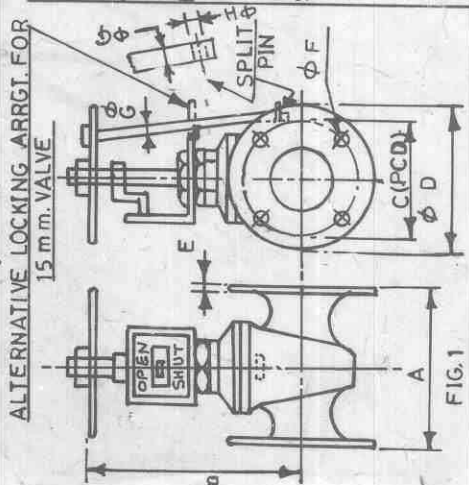
TR 20036V

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शीर्षक TITLE

GUN METAL VALVES

TYPE	MAT.	NOM. SIZE	STYLE & (MAKE) #	MAX. DIA. OF HAND WHEEL	A ±1.5	B	C PCD ±1	φ D ±1	E	φ F	φ G	HOLE φ H IN PIN	NQ OF HOLES	APPROX. WT. IN KG
DOUBLE FLANGED GATE VALVE NON RISING SPINDLE WITH SPLIT PIN	GUN METAL	15	ST 60571(L)	60	72	120	65	95	6.0	14	10	6	4	1.75
		25	ST 627255(O)	80	90	155	85	115	8.0	14	10	6	4	3.00
		40	ST 604756	100	110	200	100	135	9.0	14	12	8	4	5.25
		50	ST 601408	100	120	230	115	150	11	18	12	8	4	8.00
		80	—	140	150	310	145	185	13.0	18	12	8	4	12.00
		100	—	165	190	340	180	215	16	18	15	10	4	15.00
DOUBLE SCREW-ED GLOBE VALVE	GUN METAL	6	ST 600075	30	41	50-75	22	6.35	10	—	—	—	—	0.10
		12	ST 603575(L)	40	57	75-88	32	12.70	12	—	—	—	—	0.30
		19	ST 627260(O)	50	70	80-110	38	19.05	15	—	—	—	—	0.50
FLANGED AND SCREW-ED GLOBE VALVE	GUN METAL	15	ST 603577(L)	40	62	75-88	65	95	6.0	14	—	—	4	0.90



FINISH - VALVE SHALL BE PAINTED AS BELOW.
 ALL FERROUS COMPONENTS COMING IN CONTACT WITH TRANSFORMER OIL ARE TO BE PAINTED WITH RED OIL RESISTANT SYNTHETIC ENAMEL PAINT TO IS-2074, OUTSIDE SURFACE OF THE VALVE TO BE PAINTED WITH TWO COATS OF RED OXIDE ZINC CHROMATE PRIMER FOLLOWED BY TWO COATS OF FULL GLOSSY FINISHING PAINT TO IS 2032 OF LIGHT GREY SHADE TO IS. 631 OF IS-5.

* 'L' = LEADER MAKE & 'O' = OTHER MAKE

50 NB VALVE WAS ST. 60571A. ARG. / 10/12/88
 STYLE 2 MAKE FOR 15 NB 25 NB GATE VALVE ADDED.
 ST 4 LG ND ST. 60571A. 50 NB VALVE ADDED
 7/3/11 Arg. / 10/12/88

वितरण DISTRIBUTION
 TRE
 TRP
 COX
 BAY-8
 BAY-9

स्वीकृत किया APPROVED
 तैयार किया PREP. जारी किया ISSUED
 टी. आर. डी. मानक TRE/STD
 DATE 22-10-83



उत्पाद मानक PRODUCT STANDARD

TR20036 V

परिणामित्र TRANSFORMER

शाप/आका निर्देश SHOP/DO INSTRUCTION

2 पृष्ठों में 2 PAGE 2 OF 2

शीर्षक TITLE GUN METAL VALVES

- NOTES:-**
1. VALVES SHALL GENERALLY CONFORM TO CLASS 1 OF I.S. 778 FLANGE DRILLING SHALL BE AS PER IS:3639.
 2. VALVE BODY, BONNET, GATE, OPEN & SHUT INDICATOR ETC. SHALL BE MADE FROM GUN METAL GR.LT.82 CONFORMING IS:318 SPINDLE, SPINDLE NUT, GLAND, GLAND NUT ETC. SHALL BE MADE FROM EXTRUDED BRASS ROD TYPE II (HALF HARD) AS PER IS:319. ALTERNATELY STEM SHALL BE MADE FROM STAINLESS STEEL CONFORMING TO Gr 04 Cr18 Ni10 OF IS 6603 (ASTM A276 Gr 30400) GLAND PACKING SHALL BE OF TEFLON ROPES ONLY.
 3. HARDWARES & LOCKING ROD SHALL BE ZINC PLATED & PASSIVATED AS PER Gr. Fe/ Zn 12.5 OF IS:1573 / HOT DIP GALVANIZED.
 4. HEAT NO. SHALL BE PUNCHED ON EACH VALVE BODY AND CORELATED TC FOR G.M. AND TC FOR BRASS BARS (USED FOR MAKING SPINDLE, SPINDLE NUT, AND GLAND ETC.) INDICATING CHEMICAL COMPOSITION AND MECHANICAL PROPERTIES SHALL BE FURNISHED FOR EACH LOT.
 5. BACK OF FLANGES SHALL BE SPOT FACED / MACHINED FOR PROPER SEATING OF NUTS.
 6. ALL VALVES SHALL BE PRESSURE TESTED FOR BODY & SEAT WITH WATER AT 10 kg/cm^2 ,
- AS SPECIFIED IN IS-778 FOR CLASS 1 VALVES. FURTHER, 10% VALVES SHALL BE SEEPAGE TESTED AT 2 kg/cm^2 FOR 24 HOURS WITH AIR DIPPED IN WATER AT ROOM TEMP. VALVE SHALL BE TESTED IN OPEN POSITION TO CHECK SEEPAGE FROM SPINDLE, DIPPED IN WATER.

NOTE TO SUPPLIERS: 1. ALL VALVES TO BE SUPPLIED DULY BLANKED WITH 1 TK. STEEL SHEET PAINTED WITH RED OXIDE PAINT TO AA56110 ON BOTH SIDES OF BLANKING PLATE & 1.6 THICK NITRILE RUBBER BONDED CORN GASKET TO AA 59802
2. 25N.B. VALVE TO STYLE ST603572 TO BE SUPPLIED WITH min. 5.0 mm THICK NECK PORTION.

NOTE (1) THIS DRG IS REAFFIRMED ON 8.12.93

(2) PRIOR TO REAFFIRMATION, THE ORIGINAL DATE OF ISSUE WAS 22-10-83, & THE LATEST REV. ISSUED WAS REV.4 DT.9-2-88.

TR20036V

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10A
10B
27.3.01
REV
10

वितरण DISTRIBUTION
TRE/TRM
FBM/TCX(TR)
TTG/QC/QA
JHANSI

स्वीकृत किया APPROVED
तैयार किया PREPARED जारी किया ISSUED
DATE

टीआरई/मानक TRE/STD 22-10-83

V-JS-01

TRANSFORMER DIVISIONAL STANDARDS

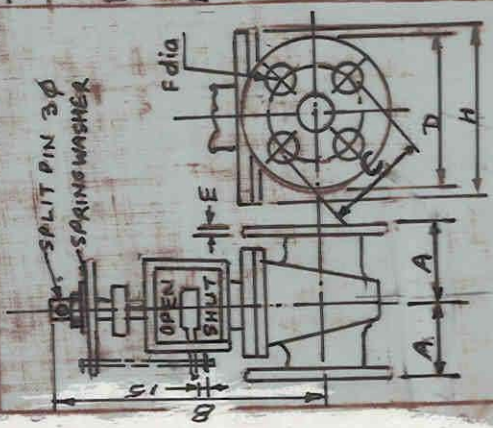
C 6040-II

VALVE (FOR FREIGHT LOCOMOTIVE TRANSFORMER)														V 15-01 TR 25001V	
														(NON PREFERRED)	
TYPE	MAT.	SIZE	STYLE	Dia of Hand Wheel	A	B	C	D	E	F	G	No. of Approx Holes in Kg	H	REMARKS	
Double Flanged Gate Valve	Gun Metal	76.20	625517	139.40	80.15	31.5	150.00	184.15	14.30	19.85	—	4	15	Open & shut indicator or and locking device nut without pad-lock.	
		101.60	625516	184.15	102.40	35.0	170.00	215.90	17.45	19.85	—	4	25		

NOTES

1. For other standard sizes consult Transformer Standard Engineers.
2. All valves with open & shut indicators are to have the locking pins and indicator points plastic covered.
3. All Valves to have deeper gland packing of Teflon rope as asbestos packing is not suitable for out application on transformer oil at 105°C.
4. All Valves are to be seepage tested at a pressure of 2 Kg/cm² for 24 Hrs. in addition to the tests specified in I.S. 778 class 1 for valves with transformer to I.S. 335
5. Valve body and fittings such as spindle, spindle nut etc. must be of non-ferrous material as mentioned in I.S. 778-1971.

NOTE TO SUPPLIER: VALVES TO BE SUPPLIED DULY BLANKED WITH 1 TK. STEEL SHEET (RED OXIDE PAINT TO AA 56 101 ON BOTH SIDE OF BLANKING PLATE) & 1.6 TK. NITRILE RUBBER BONDED CORK GASKET TO AA 59002. All dimensions are in mm.



NOTES

1. For other standard sizes consult Transformer Standard Engineers.
2. All valves with open & shut indicators are to have the locking pins and indicator points plastic covered.
3. All Valves to have deeper gland packing of Teflon rope as asbestos packing is not suitable for out application on transformer oil at 105°C.
4. All valves are to be seepage tested at a pressure of 2 Kgf/cm² for 24 Hrs. in addition to the tests specified in I.S.-778 class 1 for valves with transformer to I.S. 335
5. Valve body and fittings such as spindle, nut etc. must be of non-ferrous material as mentioned in I.S. 778-1971.

NOTE TO SUPPLIER: VALVES TO BE SUPPLIED DULY BLANKED WITH 1 TK. STEEL SHEET (RED OXIDE PAINT TO AA 56 101 ON BOTH SIDE OF BLANKING PLATE) & 1.6 TK. NITRILE RUBBER BONDED COAK GASKET TO AA 59802. All dimensions are in mm.

REVISIONS

01 DIMS 15 WAS NOT ON. ARG 11/14/95.

Issued by: *[Signature]* *[Signature]* *[Signature]*
Appd. *[Signature]*

Issued by: Transformer

BHARAT HEAVY ELECTRICALS LTD.
UNIT: BHARAT



CHANGES TO BE APPD. BY DIVISIONAL STDS.



From no.2038

उत्पाद मानक
परिणामित्र

शाप / अभि. निर्देश

PRODUCT STANDARD
TRANSFORMER

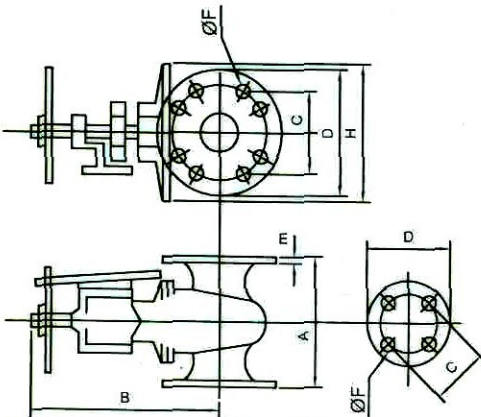
GUN METAL VALVES

TR 25121 V

1 पृष्ठों में 1 PAGE 1 OF 02

शीर्षक :
TITLE :

TYPE	APPROX WEIGHT IN KG. INCLUDING HAND WHEEL	SIZE N.B.	STYLE & MAKE *	MAX Ø OF HAND WHEEL	A	B	C	D	E	F	NO. OF HOLES	H MAX.	REMARKS
DOUBLE FLANGED GATE VALVE	43.0	150		200 (MIN)	206 (MIN)	415 (MIN)	240	285	17.5 (MIN)	23	8		WITH OPEN & SHUT INDICATOR & LOCKING DEVICE
NON RISING SPINDLE WITH SPLIT PIN	73.0	200		200 (MIN)	230 (MIN)	570 (MIN)	295	340	22 (MIN)	23	8		
	106	250		230 (MIN)	250 (MIN)	560 (MIN)	350	395	22 (MIN)	23	12		



1. VALVES WITH OPEN & SHUT INDICATOR TO HAVE INDICATOR POINTER, LOCKING ROD DIA. SHALL BE 25mm FOR 160 TO 250mm NB VALVES LOCKING ROD TO HAVE SUITABLE HOLE FOR PAD LOCKING
2. DIA. OF HAND WHEEL SHALL BE LESS THAN DIMN.A

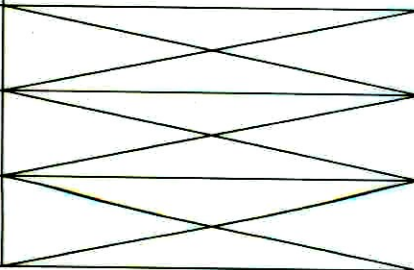
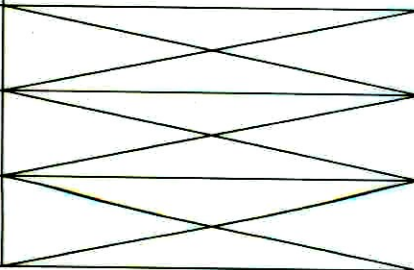
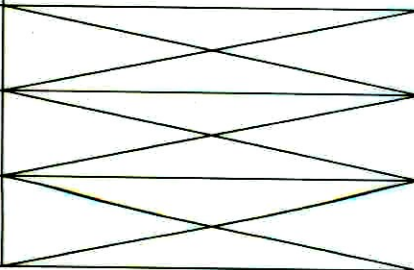
REVISIONS

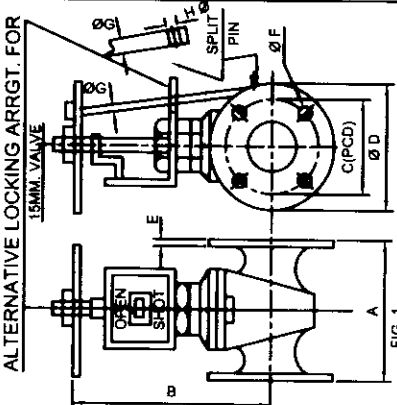
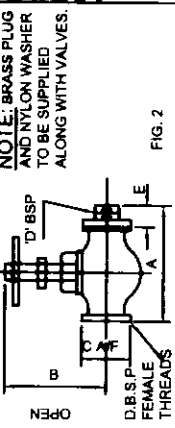
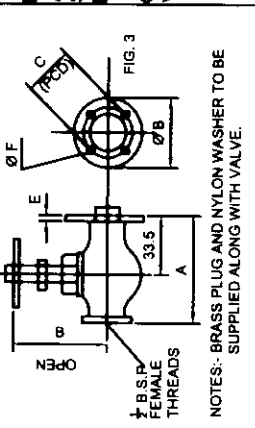
पुनः Rev. 03 दिनांक: Date 21-1-15	IN TABLE VALVE SIZE WEIGHT 150, 200, 250 NB WERE 72, 122, 177 KG. प्रमाणित
पुनः Rev. 02 दिनांक: Date 01.01.14	DRG. MODIFIED SP/AKG/
पुनः Rev. 2A दिनांक: Date 04.04.14	DRG. COMPUTERISEZ & UPDATED.

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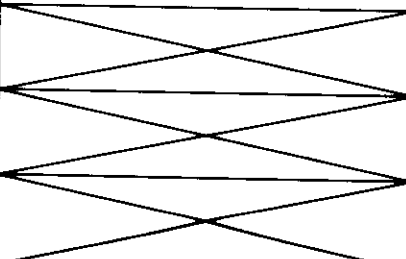
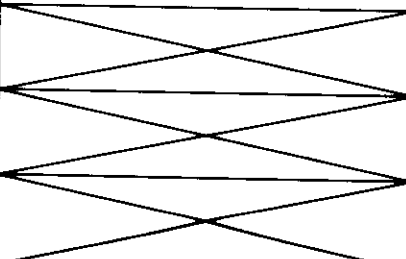
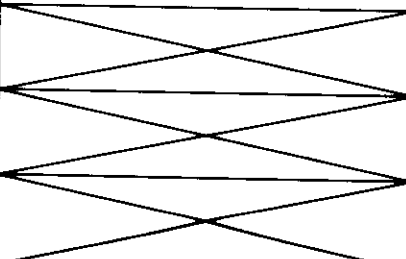
स्वीकृत किया : APPROVED : SANJAY PANKAJ	दिनांक: DATE: 12.11.2013
जारी किया : ISSUED : टीआरई मानक : TRE STD. :	
तैयार किया: PREPD. : A.K.GUPTA	

TR 25121 V

REF.	COMP. DRG.	 उत्पाद मानक परिणामित्र शाप / अभि. निर्देश SHOP/DO INSTRUCTION	PRODUCT STANDARD TRANSFORMER		TR 25121 V													
			From no.2038		2 पृष्ठों में 2 PAGE 2 OF 2													
		शीर्षक : TITLE : GUN METAL VALVES																
		NOTES:- - VALVES SHALL GENERALLY CONFORM TO CLASS 1 OF I.S. 778-1971 FLANGE DRILLING SHALL BE AS PER IS:3639. - 1966 - VALVE BODY BONNET, GATE, OPEN & SHUT INDICATOR ETC. SHALL BE MADE FROM GUN METAL GR. LT. B2 CONFORMING IS: 318 -1981 SPINDLE, SPINDLE NUT, GLAND, GLAND NUT ETC. SHALL BE MADE FROM EXTRUDED BRASS ROD TYPE II (HALF HARD) AS PER IS:319. ALTERNATELY STEM SHALL BE MADE FROM STAINLESS STEEL CONFORMING TO Gr 04, Cr18 Ni 10 OF IS 6603 (ASTM A276 GR 30400) GLAND PACKING SHALL BE OF TEFLON ROPES ONLY. - HARDWARES & LOCKING ROD SHALL BE ZINC PLATED & PASSIVATED AS PER GR. Fe/Zn 12.5 OF IS:1573 1986/ HOT DIP GALVANIZED. SL NO. SHALL BE PUNCHED ON EACH VALVE BODY AND CORRELATED TC FOR G.M. AND TC FOR BRASS BARS (USED FOR MAKING SPINDLE, SPINDLE NUT AND GLAND ETC.) INDICATING CHEMICAL COMPOSITION AND MECHANICAL PROPERTIES SHALL BE FURNISHED FOR EACH LOT. - BACK OF FLANGES SHALL BE SPOT FACED / MACHINED FOR PROPER SEATING OF NUTS. - ALL VALVES SHALL BE PRESSURE TESTED FOR BODY & SEAT WITH WATER AT 10Kg/CM². AS SPECIFIED IN IS-778-1971 FOR CLASS 1 VALVES. FURTHER, 10% VALVES SHALL BE SEEPAGE TESTED AT 2 Kg/CM² FOR 24 HOURS WITH AIR, DIPPED IN WATER. AT ROOM TEMP. VALVES SHALL BE TESTED IN OPEN POSITION TO CHECK SEE PAGE FROM SPINDLE, DIPPED IN WATER. - MATERIAL OF HAND WHEEL SHALL BE CAST IRON/BRASS/ ALUMINIUM/STAINLESS STEEL OR BETTER.																
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TR 25121 V PAGE 2 OF 2		<table border="1"> <tr> <td> पुनः Rev. दिनांक: Date 03 21-1-13 </td> <td rowspan="3">  </td> <td> विवरण DISTRIBUTION </td> <td> सं. स्वीकृत किया : APPROVED : SANJAY PANKAJ </td> </tr> <tr> <td> पुनः Rev. दिनांक: Date 02 01.01.14 </td> <td> TRE/TRM FBM/TCX<TR> TTG/QC/QA JHANSI </td> <td> जारी किया : ISSUED : टीआरई मानक : TRE/STD.: </td> <td> दिनांक: DATE: 12-11-2013 </td> </tr> <tr> <td> पुनः Rev. दिनांक: Date 2A 04.04.14 </td> <td></td> <td> तैयार किया: PREPD.: A.K.GUPTA </td> <td></td> </tr> </table>					पुनः Rev. दिनांक: Date 03 21-1-13		विवरण DISTRIBUTION	सं. स्वीकृत किया : APPROVED : SANJAY PANKAJ	पुनः Rev. दिनांक: Date 02 01.01.14	TRE/TRM FBM/TCX<TR> TTG/QC/QA JHANSI	जारी किया : ISSUED : टीआरई मानक : TRE/STD.:	दिनांक: DATE: 12-11-2013	पुनः Rev. दिनांक: Date 2A 04.04.14		तैयार किया: PREPD.: A.K.GUPTA	
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TR25122 V PAGE 1 OF 2		REF. TR 20036 V COMP. DRG.		Copyright and Confidential used directly or indirectly in any way is detrimental to the company This information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED. It must not be used directly or indirectly in any way detrimental to the interest of the company		 उत्पाद मानक परिणामित्र शाय / अभि. विदेश		PRODUCT STANDARD TRANSFORMER GUN METAL VALVES		TR 25122 V 2 पृष्ठों में 1 PAGE 1 OF 2															
शीर्षक : TITLE : GUN METAL VALVES																									
ALTERNATIVE LOCKING ARRGT. FOR 15MM. VALVE 		TYPE DOUBLE FLANGED GATE VALVE NON RISING SPINDLE WITH SPLIT PIN		MAT. SIZE GUN METAL 15 25 40 50 80 100		NOM. SIZE 15 25 40 50 80 100		STYLE & (MAKE)* - - - - -		MAX. DIA. OF HAND WHEEL 60 80 100 100 135 145		A B 72 120 90 155 110 200 120 230 150 290 190 340		C ØD PCD 65 95 85 115 100 135 115 150 145 185 180 215		E 6.0 8.0 9.0 11 13.0 MIN. 16 MIN.		ØF 14 14 14 18 18 18		HOLE IN PIN 6 6 6 6 - -		NO. OF HOLES 4 4 4 4 4 4		APP. ROX WT. IN KG 1.75 3.00 5.25 8.00 12.00 15.00	
NOTE: BRASS PLUG AND NYLON WASHER TO BE SUPPLIED ALONG WITH VALVES. 		TYPE DOUBLE SCREWED GLOBE VALVE		MAT. SIZE GUN METAL 6 12 19		NOM. SIZE 6 12 19		STYLE & (MAKE)* - - -		MAX. DIA. OF HAND WHEEL 30 40 50		A B 41 50-75 57 75-88 70 80-110		C ØD PCD 22 6.35 32 12.70 38 19.05		E 10 12 15		ØF - - -		HOLE IN PIN - - -		NO. OF HOLES - - -		APP. ROX WT. IN KG 0.10 0.30 0.50	
NOTE: BRASS PLUG AND NYLON WASHER TO BE SUPPLIED ALONG WITH VALVE. 		TYPE FLANGED AND SCREWED GLOBE VALVE		MAT. SIZE GUN METAL 15		NOM. SIZE 15		STYLE & (MAKE)* -		MAX. DIA. OF HAND WHEEL 40		A B 62 75-88		C ØD PCD 65 95		E 6.0		ØF 14		HOLE IN PIN -		NO. OF HOLES 4		APP. ROX WT. IN KG 0.90	

TR 25122 V

REF. 722036 V	COMP. DRG.	 उत्पाद मानक परिणामित्र शाप / अभि. निर्देश SHOP/DO INSTRUCTION	PRODUCT STANDARD TRANSFORMER		TR 25122 V																			
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TR 25122 V

INTEGRITY PACT

Between

Bharat Heavy Electricals Ltd. (BHEL), a company registered under the Companies Act 1956 and having its registered office at “BHEL House”, Siri Fort, New Delhi – 110049 (India) hereinafter referred to as “The Principal”, which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the ONE PART

and

_____, (description of the party along with address), hereinafter referred to as “The Bidder/ Contractor” which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the OTHER PART.

Preamble

The Principal intends to award, under laid-down organizational procedures, contract/s for

_____. The Principal values full compliance with all relevant laws of the land, rules and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder(s)/ Contractor(s).

In order to achieve these goals, the Principal will appoint Independent External Monitor(s), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1 – Commitments of the Principal

- 1.1 The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:-
 - 1.1.1 No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
 - 1.1.2 The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.

- 1.1.3 The Principal will exclude from the process all known prejudiced persons.
- 1.2 If the Principal obtains information on the conduct of any of its employees which is a penal offence under the Indian Penal Code 1860 and Prevention of Corruption Act 1988 or any other statutory penal enactment, or if there be a substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions.

Section 2 – Commitments of the Bidder(s)/ Contractor(s)

- 2.1 The Bidder(s)/ Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution:-
 - 2.1.1 The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm, offer, promise or give to the Principal or to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material, immaterial or any other benefit which he / she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
 - 2.1.2 The Bidder(s)/ Contractor(s) will not enter with other Bidder(s) into any illegal or undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
 - 2.1.3 The Bidder(s)/ Contractor(s) will not commit any penal offence under the relevant IPC/ PC Act; further the Bidder(s)/ Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
 - 2.1.4 The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose any and all payments he has made, and is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
- 2.2 The Bidder(s)/ Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

Section 3–Disqualification from tender process and exclusion from future contracts

If the Bidder(s)/ Contractor(s), before award or during execution has committed a transgression through a violation of Section 2 above, or acts in any other manner such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s)/ Contractor(s) from the tender process or take action as per the separate "Guidelines on Banning of Business dealings with Suppliers/ Contractors" framed by the Principal.

Section 4 – Compensation for Damages

- 4.1 If the Principal has disqualified the Bidder from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover the damages equivalent Earnest Money Deposit/Bid Security.
- 4.2 If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to section 3, the Principal shall be entitled to demand and recover from the Contractor liquidated damages equivalent to 5% of the contract value or the amount equivalent to Security Deposit/Performance Bank Guarantee, whichever is higher.

Section 5 – Previous Transgression

- 5.1 The Bidder declares that no previous transgressions occurred in the last 3 years with any other company in any country conforming to the anti-corruption approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.
- 5.2 If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

Section 6 – Equal treatment of all Bidders/ Contractors/ Sub-contractors

- 6.1 The Bidder(s)/ Contractor(s) undertake(s) to obtain from all subcontractors a commitment consistent with this Integrity Pact and report Compliance to the Principal. This commitment shall be taken only from those sub-contractors whose contract value is more than 20 % of Bidder's/ Contractor's contract value with the Principal. The Bidder(s)/ Contractor(s) shall continue to remain responsible for any default by his Sub-contractor(s).
- 6.2 The Principal will enter into agreements with identical conditions as this one with all Bidders and Contractors.
- 6.3 The Principal will disqualify from the tender process all bidders who do not sign this pact or violate its provisions.

Section 7–Criminal Charges against violating Bidders/Contractors/Sub-contractors

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Vigilance Office.

Section 8 –Independent External Monitor(s)

- 8.1 The Principal appoints competent and credible Independent External Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.
- 8.2 The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the CMD, BHEL.

- 8.3 The Bidder(s)/ Contractor(s) accepts that the Monitor has the right to access without restriction to all contract documentation of the Principal including that provided by the Bidder(s)/ Contractor(s). The Bidder(s)/ Contractor(s) will grant the monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his contract documentation. The same is applicable to Sub-contractor(s). The Monitor is under contractual obligation to treat the information and documents of the Bidder(s)/ Contractor(s) / Sub-contractor(s) with confidentiality.
- 8.4 The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the contract provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.
- 8.5 As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or take corrective action, or heal the situation, or to take other relevant action. The Monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.
- 8.6 The Monitor will submit a written report to the CMD, BHEL within 8 to 10 weeks from the date of reference or intimation to him by the Principal and, should the occasion arise, submit proposals for correcting problematic situations.
- 8.7 The CMD, BHEL shall decide the compensation to be paid to the Monitor and its terms and conditions.
- 8.8 If the Monitor has reported to the CMD, BHEL, a substantiated suspicion of an offence under relevant IPC / PC Act, and the CMD, BHEL has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.
- 8.9 The number of Independent External Monitor(s) shall be decided by the CMD, BHEL.
- 8.10 The word 'Monitor' would include both singular and plural.

Section 9 – Pact Duration

- 9.1 This Pact begins and shall be binding on and from the submission of bid(s) by bidder(s). It expires for the Contractor 12 months after the last payment under the respective contract and for all other Bidders 6 months after the contract has been awarded.
- 9.2 If any claim is made / lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified as above, unless it is discharged/ determined by the CMD, BHEL.

Section 10 – Other Provisions

- 10.1 This agreement is subject to Indian Laws and jurisdiction shall be registered office of the Principal, i.e. New Delhi.
- 10.2 Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.
- 10.3 If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.
- 10.4 Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- 10.5 Only those bidders/ contractors who have entered into this agreement with the Principal would be competent to participate in the bidding. In other words, entering into this agreement would be a preliminary qualification.

For & On behalf of the Principal
(Office Seal)

For & On behalf of the Bidder/ Contractor
(Office Seal)

Place-----

Date-----

Witness: _____

(Name & Address) _____

Witness: _____

(Name & Address) _____
