

1. MATERIAL TO BE ISSUED ON :-
 2. TRANSPORT TO BE PROVIDED BY :-
 3. EXCISE DUTY ON ISSUE MATL TO BE BORNE BY :-
 4. SCRAP TO BE RETURNED :-
 5. INVARIABLY ISSUE WT. TO BE RECORDED ON SMV/PMV

FREE ISSUE BASIS
 SUPPLIER
 BY :-
 NO


Signature / Engineer
 Signature / Manager
 Signature / Dy. Manager

SIGNATURE OF ASC EXECUTIVE
 NAME
 DESIGNATION
 TELEPHONE

SIGNATURE OF INDENTOR
 NAME
 DESIGNATION
 TELEPHONE

जल दरवाइन विभागा विभाग / WTM Division
बी.एच.ई.एल., पोस्टां / B...E.L., BHPAL

A-FORM



BHARAT HEAVY ELECTRICALS LIMITED - BHOPAL

MM DEPARTMENT

ESTIMATE SHEET FOR ISSUE OF MATERIAL/COMPONENTS FROM BHEL

CHECKLIST

FORM NO BP-0021

A-SLNO PO IT NO PIT NO QUANTITY REQUIRED UNIT SHOP NO DEST CD H-CELL

DESCRIPTION OF SUB-ASSEMBLY/ITEM & WEIGHT/VOLUME/AREA

FREE ISSUE MATERIAL PER UNIT OF FINISHED GOODS

MATL CODE	QTY PSL UNIT	PSL UNIT	RATE PSL UNIT	TOTAL MATL TO BE ISSUED	ISSUE PSL/ UNIT	WIP	SMIV/ PPMIV NO	MATERIAL VALUE	TARRIF HEAD	MATL ISSUE QTY
DESCRIPTION OF FREE ISSUE MATERIAL AND WEIGHT /VOLUME/AREA										
TRANSPORT STAY-RS CHANNEL 150X75X5.7										
AA1012708063	5.0000	NO	12000.000	45.00	NO	WIP		540000.000	202	5.0000
TRANSPORT STAY-RS CHANNEL OF DRG. NO. 02020621102 REV 04 # 27 (10-12 MTR PRE PIECE LENGTH)										
REMARKS NOT APPLICABLE.										
TOTAL NO OF CANCEL ITEM 0										
AFORM TOTAL 107451198.000										

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5 INVARIABLY ISSUE WT. TO BE RECORDED ON SMIV/PMIV

FREE ISSUE BASIS

SUPPLIER

NO

TO BE RECORDED ON SMIV/PMIV

SIGNATURE OF INDENTOR

SIGNATURE OF ASC EXECUTIVE

NAME

DESIGNATION


TELEPHONE

20

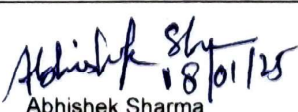
RPT-101

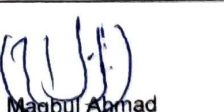
ANNEXURE - A

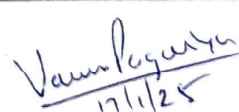
PROJECT :- POLAVARAM
DESCRIPTION : Mcg of RUNNER ENVELOPE to drg 02020621102 Rev. 04
RAW MATERIAL :
1) Raw material i.e. Runner Envelope Halves (Welded assy) will be issued by BHEL to vendor after submitting valid B.G. by the vendor.
BROAD SCOPE OF WORK
1) Runner Envelope is made of STAINLESS STEEL PLATES (13% CR - 4% NI) AS PER ASTM A - 240 UNS - 41500 (TYPE 415)
2) Transportation of Runner Envelope Halves to & fro shall be in scope of vendor
3) Marking of each half to be carried out considering the centre line as a master with dimension as per drg.
4) Joint face of 1st half to be machined and thereafter drilling to be carried out.
5) Joint face of 2nd half to be machined.
6) Both the half to be kept face to face and after proper alignment match marking for hole in 2nd half to be done from 1st half.
7) Drilling in 2nd half to be carried out as per match marking.
8) Make full ring using hardware (supplied by BHEL as free issue material) and thereafter dowelling to be carried out.
9) After fitting of dowel (supplied by BHEL as free issue material), vertical boring operation to be carried out
10) After vertical boring operation, marking, drilling and tapping to be carried out.
11) After final machining and successful inspection by BHEL/ TPI, transport stays to be welded before opening of both halves. RS Channel 100 X 50 X 5.0 - 80 mtr (approx.) and 150 X 75 X 5.7 - 45 mtr (approx.) for transport stay shall be provided by BHEL. Runner envelope shall be dismantled & dispatched in two halves.
12) After final inspection clearance, only rust preventive to be applied before dispatch.
13) All above operations to be carried out as per drawing. In case of any doubt, vendor to consult BHEL Bhopal, before proceeding for machining.
14) Vendor to confirm latest revision of drawing from BHEL before start of machining
15) All Technical Requirements (TR) of drawing to be strictly followed
16) Delivery is required within 60 days per no. after issue of material.
17) Scrap shall be retained by vendor free of cost and only GST on scrap shall be deducted from vendor's invoice.
QTY. DISTRIBUTION
1) Total 9 SET RUNNER ENVELOPE to be machined. Qty will be distributed between three vendors in 5:3:1 in case of sufficient vendors. In case of 2 vendors, qty shall be distributed in ratio of 2:1. In case of single vendor, 100% quantity to L1 bidder.
PRE QUALIFICATION CRITERIA:-Vendor should have below mentioned facilities in order to qualify:
1) For joint facing & face drilling- Horizontal Borer(BH) machine having minimum horizontal movement up to 7.61 mtr and minimum vertical movement up to 2.31 mtr. In case vendor is having equivalent machining facility to accommodate the runner envelope for joint facing & drilling, vendor to clearly specify type of machine along with detail specification and step wise procedure to carry out operations. In both the cases as above, vendor to submit documents related to machine make with detail specification & photos.
2) For vertical boring operation- CNC Vertical Borer*(VTL) machine having minimum boring dia 7.61 mtr. and minimum 2.8 mtr height to accommodate the job having Z-AXIS movement of 1.50 mtr length. In case vendor is having equivalent machining facility to accommodate the runner envelope for vertical boring operation, vendor to clearly specify type of machine along with detail specification and step wise procedure to carry out operations. In both the cases as above vendor to submit documents related to machine make with detail specification & photos.
3) For drilling - Drilling machine having capacity of drilling hole of dia.66 & spot face of Dia. 105. Vendor to submit documents related to machine make with detail specification & photos.
4) Crane facility-For lifting of job vendor should have overhead crane of Safe Working Load (SWL) capacity 45 MT or higher. Vendor to submit documents related to crane make with detail specification/catalogue and photos. Vendor to clearly specify lifting capacity of crane. In case vendor is having equivalent arrangement for lifting and machining, vendor to clearly specify step wise procedure to carry out operations. In both the cases as above vendor to submit documents related to machine make with detail specification & photos.
5) Vendor should have experience of machining similar items (two halves job) having dia more than 4 mtr. Vendor to submit PO copy of same along with co-related unpriced copy of invoice. Provide complete details of quoted machining experience such as name, postal address of company/customer and year. The PO and completion certificate should be within five year from tender opening date(Techno-commercial). However in case of partial completion of PO, Lot completion certificate is required.
6) BHEL reserve the right to verify information provided by the vendor. In case information provided by vendor is found to be false/incorrect, suitable punitive action may be taken in case of BHEL registered supplier as per BHEL norms. BHEL has right to reject the technical bid of the vendor.
GENERAL POINTS
1) QA Plan is applicable. Inspection will be carried out as per QAP.
2) Inspection will be carried out by BHEL / BHEL appointed third party as per QA plan.
3) Required mcg tool, jig/fixture, clamping items, measuring instrument for ID/OD/Height & any other facility required for complete machining of runner envelope to be arranged by vendor.
4) All checking instruments along with gauges required for complete inspection shall be arranged by vendor.
5) Scrap wt 8756 kg will be free of cost and benefit for the same to be passed on while quoting the rate.


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DGM (WTM-plg)

ON LEAVE
Mahendra Soni
Mgr (WTM-Tech)


Abhishek Sharma
Sr. Mgr. (WTM)


Maqbul Ahmad
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Vamshikrishna
(H.T.E.)