

# THE WEST BENGAL POWER DEVELOPMENT CORPORATION LIMITED



(A Govt. of West Bengal Enterprise)  
 OFFICE OF THE GENERAL MANAGER  
SANTALDIH THERMAL POWER STATION  
 P.O. - SANTALDIH THERMAL PLANT  
 DIST. PURULIA - 723 146  
 Tel. No. 03251 260 218 / Fax No. 03251 260 217

**((Tender Notice for Website))**

<b>NIT No.: WBPDC/Tend-Adv/CC/15-16/275/STPS</b>	<b>Date: 24.12.2015</b>
<b>Tender Ref. No. : STPS/M&amp;C/Press Tender/529/EM(OPH)/14-15/559</b>	<b>Date: 18.12.2015</b>

Sealed Tenders in prescribed format are invited from eligible, experienced, resourceful, reputed manufacturers / authorized dealers of such manufacturers working under Govt. Organizations/PSUs/Reputed Organizations for procurement of 11 kV & 6.6 kV Indoor Cast Resin Current & Voltage Transformers under EM(OPH) Dept., Santaldih T.P.S. as per item description & 'Scope of Supply' mentioned below:

Sl. No.	Item Code	Item Description	Quantity	Unit
1	04T051009	Indoor Cast Resin Potential Transformer, 1 Phase earthed, VT Ratio:- 11000V/ $\sqrt{3}$ / 110V/ $\sqrt{3}$ , Core-1, 100VA, Class-1, BIL:- 12/28/75 KV, Ins. CI- B, VF:-1.2 Cont. & 1.9 for 8 hours, IS: 3156.	3	NO
2	04T051035	Indoor Cast Resin Current Transformer, Burden: 15 / 15 VA, Accu. Class: 1 / 10P15, Ith. - 25 kA for 3 Sec. B.I.L.: 12 / 28 / 75kV, ISF <= 5, Insulation Class: B, 11 kV Indoor cast resin CT. CT ratio : 150/1-1 Amp	3	NO
3	04T061279	Indoor Cast Resin Potential Transformer. Rated voltage - 6.6kV. Insulation level - 7.2/20/60 kV peak. Core 1: 6.6kV/ $\sqrt{3}$ / 110V/ $\sqrt{3}$ , 100 VA, Class=0.5, Core 2: 110V/3, 50 VA, Class=3P	3	NO
4	04C042513	Indoor Cast Resin Current Transformer. Cast Resin CT, CTR: 30/1/1A, Core - 1 : 10 VA Class - 0.5 Isf <= 5, Core - 2 : 10 VA CL - 5P20 STR : 20 KA for 1 Sec, Solidly Earthed System, IL : 7 - 2 / 28 / 75 KV Secondary terminal on P1 side, Voltage - 6.6 kV	2	NO
5	04C042514	Indoor Cast Resin Current Transformer. Cast Resin CT, CTR : 100/1/1 Core - 1 : 10 VA Class - 0.5 Isf <= 5, Core - 02 : 10 VA CL 5P20 STR : 40 KA for 1 Sec Solidly Earthed System, Secondary terminal on P1 side, Voltage: 6.6 kV	2	NO
6	04C042515	Indoor Cast Resin Current Transformer. Cast Resin CT, CTR: 300/1/1/1A, Core - 1 : 15 VA CL - 1 Isf <= 5, Core - 2 : 10 VA / CL 5P20, Core - 3 : CL PS - VK > = 40I (Rct + 2RI) 2IF (1 + 2RL) Where If = 13.5 KA Core 4 : CL PS - VK > = 2IF (1 + 2RL) (applicable for both class PS) STR : 40 KA for 3 Sec. Solidly Earthed System L : 7 - 2 / 28 / 75 KV, Solidly Earthed System, Secondary terminal on P1 side, Voltage: 6.6 kV	2	NO
7	04C042516	Indoor Cast Resin Current Transformer. Cast Resin CT, CTR: 300/1A Core - 1 : 15 VA CL - 1 Isf <= 5 Core - 2 : 10 VA / CL 5P20m, Core - 3 : CL PS - VK > = 2IF (1 + 2RL) where If = 13.5 KA IcL = 30mA AT VK / 4, RL = 3 ohms STR : 40 KA for 3 Sec. IL : 7 - 2 / 28 / 75 KV, Solidly Earthed System, Secondary terminal on P1 side, Voltage: 6.6 kV	1	NO

### **Scope of Supply:**

- ❖ The offered equipment have to be designed, manufactured and tested as per relevant IS/IEC with latest amendments.
- ❖ New CTs & PTs are required for 1:1 replacement basis with the existing one in all respect. GA Drawings of existing CTs & PTs are attached as per **Annexure-Drawings**.
- ❖ Prior to placement of the final order all GA Drawings & GTP of the items must be submitted by the successful bidder to the user department for necessary approval.
- ❖ The successful bidder must submit GC/Fitment certificate & TC along with the delivery of the materials.
- ❖ All the materials to be delivered at STPS store within 60 days from the date of placement of final order.
- ❖ After delivery at STPS store, if any item found defective/damage during inspection and testing, the items should be replaced by good one without any extra cost immediately.

**Name of the Procurement:** Procurement of 11 kV & 6.6 kV Indoor Cast Resin Current & Voltage Transformers under EM(OPH) Dept., Santaldih T.P.S.

**Information to the bidders:** This is a three part bidding system containing **Earnest Money (Part-I), Qualifying Requirements (Part-II) and Price Bid (Part-III)**. Tenders will be received and evaluated by Santaldih T.P.S., the WBPDCCL from technical and financial point of view to make the best selection for the interest of the WBPDCCL for the complete procurement covered under the Tender Document. Terms & Conditions in detail will be mentioned in the Tender Document.

**Earnest Money:** The Earnest Money of **Rs. 6,000/-** (Rupees Six Thousand only) shall be deposited along with Tender Document in the form of Bank Draft/Pay Order issued by any nationalized Bank from India in favour of **“THE WEST BENGAL POWER DEVELOPMENT CORPORATION LIMITED”** payable at United Bank of India, Santaldih branch or State Bank of India, Purulia branch or payable at Kolkata for other Banks. NSIC/SSI Units are exempted from submission of Earnest Money. Necessary certificate is to be submitted for NSIC/SSI units.

**Estimated Cost:** Around **Rs. 1,78,000/-** (Rupees One Lac Seventy Eight Thousand only)

**Cost of Tender Document:** **Rs. 200/-** (Rupees Two Hundred only)

**Qualifying Requirements (Q.R.):**

- 1) The bidder must be a reputed manufacturer or authorized dealer of such manufacturer for the quoted items.
- 2) Experience of having successfully completed job for supplying the items with same or higher Voltage grade in any Govt. Organization/PSU/Reputed Organization within last 07 (Seven) consecutive years ending 30<sup>th</sup> November, 2015 should be either of the following:
  - a) One completed supply order costing not less than the amount equal to 80% of the estimated cost i.e. Rs. 1,42,400/-
  - Or,
  - b) Two completed supply orders each costing not less than the amount equal to 50% of the estimated cost i.e. Rs. 89,000/-
  - Or,
  - c) Three completed supply orders each costing not less than the amount equal to 40% of the estimated cost i.e. Rs. 71,200/-.
- 3) The average annual financial turnover of the bidder during the last 03 (Three) years, ending 31<sup>st</sup> March of the previous financial year, should be at least 30% of the estimated cost.
- 4) The bidder shall submit copies of relevant purchase order(s) & other documentary evidence as proof of satisfactory completion of similar supply & delivery.

Legible photocopies of all the documents as stated below countersigned by the tenderer need to be submitted accordingly in a separate sealed envelope super-scribing **‘Qualifying Requirements’, Tender Notice No. with date, Due date of Opening** and **‘Name of the Procurement’**, otherwise the tender will be treated as invalid. Original copies of the documents are to be produced on demand.

- a) Credentials regarding Qualifying Requirements (e.g. Purchase Orders etc.),
- b) P&L Account and Balance Sheets for last 03 (Three) years,
- c) PAN Card,
- d) VAT/CST Return,
- e) Professional Tax Payment Certificate,
- f) Trade License.

**Important Dates:**

<b>Sale of Tender Document:</b>	From 28.12.2015 up to 08.01.2016 between 11:00 Hrs. and 14:30 Hrs.	
<b>Last Date of Offer Submission:</b>	14.01.2016 within 15:00 Hrs.	
<b>Opening of Tender:</b>	Part I & II	14.01.2016 at 15:15 Hrs.
	Part III	14.01.2016 or later duly intimated to the bidders.

**Sale of Tender Document:**

Tenders Document shall be obtained from Sr. Manager (M&C), STPS or his authorized representative against written application in duplicate on any working day except Saturday and holiday between 11:00 Hrs. and 14:30 Hrs. after

deposit the cost against the Tender Document at Cash counter, S.T.P.S. by cash only. Tender paper must be sold by each of the applicants.

**Opening of Tender:**

- a) The tenders shall be opened in presence of representative of the prospective bidders, if available, at the time and date set for opening of tender as mentioned above. In case any extension has been given thereto on the extended tender opening date and time will be notified to all the prospective bidders who have purchased the Tender Documents. Authorized representatives (maximum two persons) of the prospective bidder may attend the opening.
- b) After opening the main cover, the envelope containing E.M.D. (Part-I) shall be opened first and if E.M.D. of requisite amount in proper mode is found the Q.R. (Part-II) will be opened.
- c) Price Bid (Part-III) of the prospective bidders who have qualified in both Part-I & Part-II will be considered only by the WBPDCCL for subsequent opening of Part-III on same or later date eliminating other participants.

**Evaluation of Tender:**

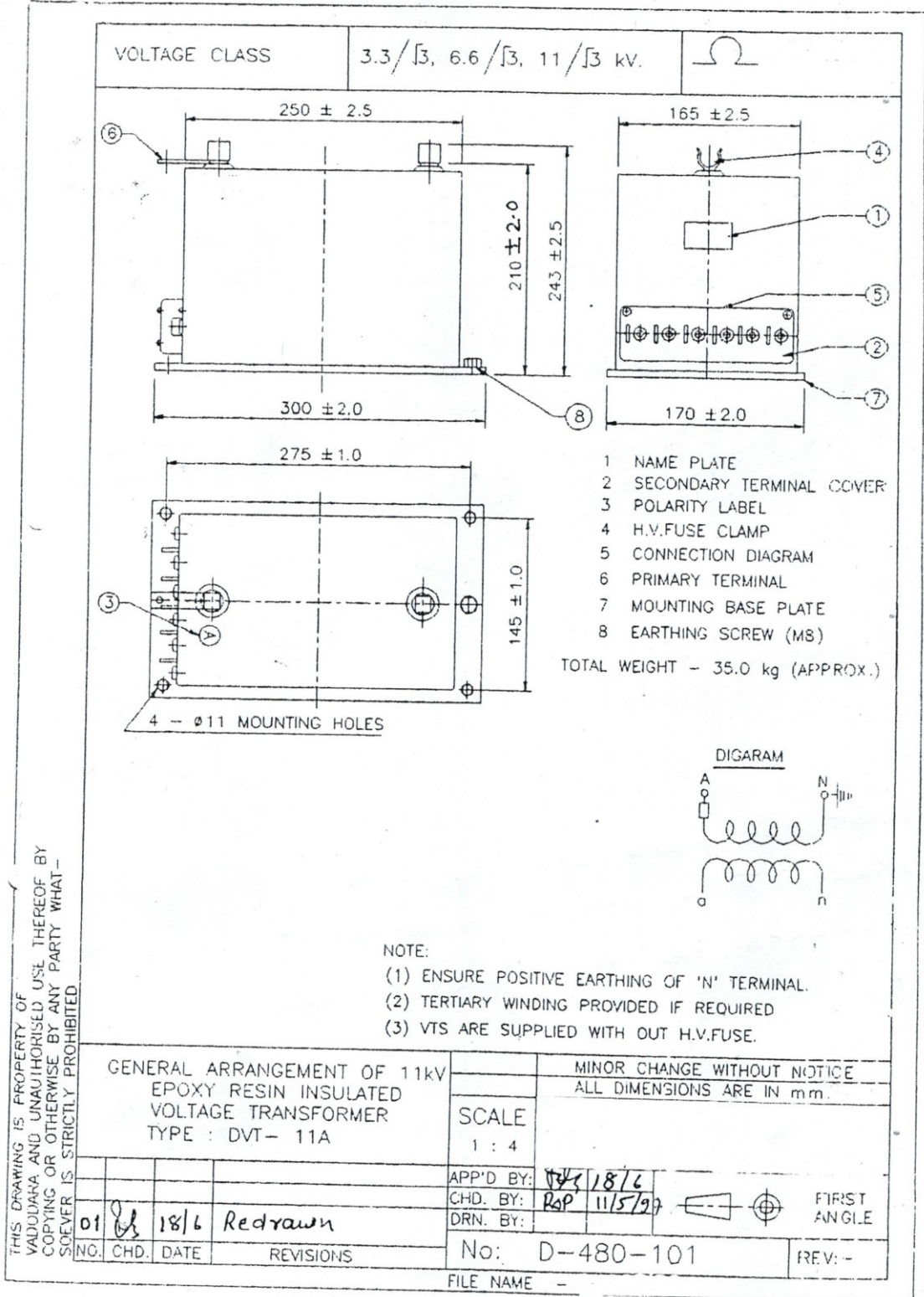
- a) Issuance of tender document to the participants will not qualify him automatically for the entire tender process.
- b) The WBPDCCL reserves the right to itself to accept any tender or reject any or all tenders or cancel / withdraw the invitation for tender without assigning any reason for such decision. Such decision by the WBPDCCL shall not be subject to question by any prospective bidder and the WBPDCCL shall bear no liability consequent upon such decision and the prospective bidders shall have no claim in this regard against the WBPDCCL.
- c) Evaluation by the WBPDCCL shall be based on the information and documentary evidence submitted by the prospective bidders in response to the tender documents. The requirements as stipulated in the tender notice and documents are the minimum and the WBPDCCL has the right to request for additional information. The WBPDCCL reserves the right to reject any tender, if in the opinion of the WBPDCCL the qualification data / documentary evidence submitted by the prospective bidders are incomplete or prospective bidders are found not qualified to satisfactorily perform the job. The WBPDCCL reserve the right to reject any tender if the prospective bidder is found to be disqualified by giving incorrect and / or false information.
- d) The WBPDCCL does not bind itself to accept the lowest tender and also reserves the right to split the procurement amongst more than one prospective bidder and also reserves the right to reject any or all tender or cancel the tender without assigning any reason whatsoever.
- e) Notwithstanding, anything stated above or elsewhere, the WBPDCCL reserves the right to assess the capability and capacity of the prospective bidders, should the circumstances warrant such assessment in the overall interest of the WBPDCCL.

**Encl:** 1) Annexure-Drawings

Sd/-  
(S. Maity)  
**General Manager**  
**STPS, The WBPDCCL**

**ANNEXURE- DRAWINGS**

ITEM CODE - 04T051009 (SL. NO - 01)



GENERAL ARRANGEMENT OF 11KV  
EPOXY RESIN INSULATED  
VOLTAGE TRANSFORMER  
TYPE : DVT- 11A

MINOR CHANGE WITHOUT NOTICE  
ALL DIMENSIONS ARE IN mm.

SCALE  
1 : 4

APP'D BY: *[Signature]* 18/6

CHD. BY: *[Signature]* 11/5/97

DRN. BY:

FIRST ANGLE

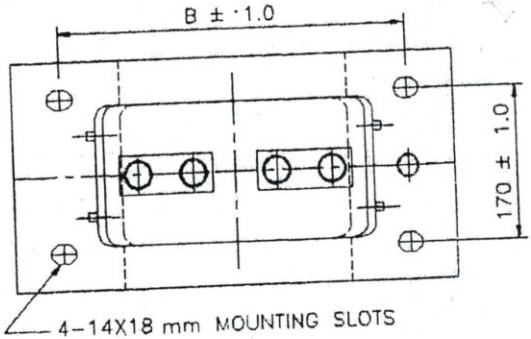
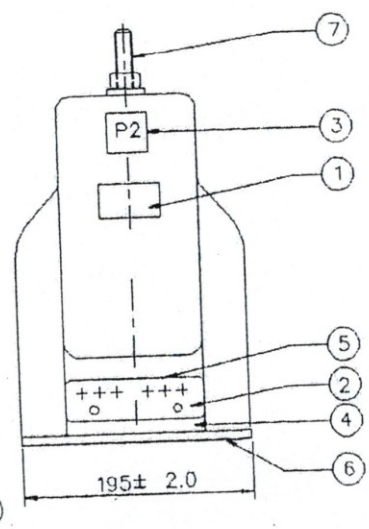
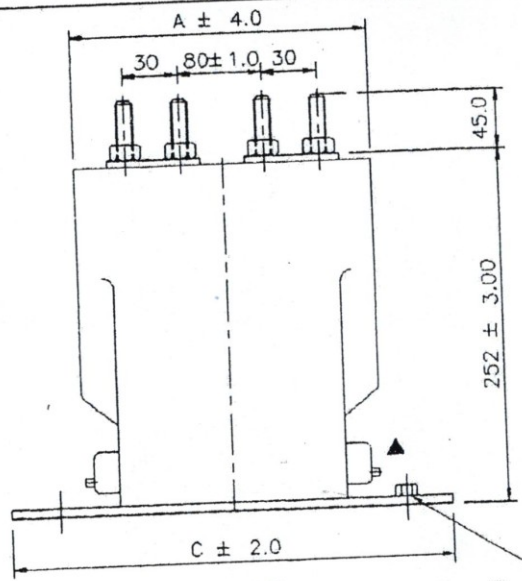
No: D-480-101

REV: -

*S. K. Samal*  
03-11-15

ITEM CODE:- 04T051035 (sl. No-2)

CURRENT RATING  $I_p$  - 1250 AMP.  
 $I_{th}$  - 45 kA/1 SEC.



- 1 NAME PLATE
- 2 SECONDARY TERMINAL COVER
- 3 POLARITY LABEL
- 4 CAUTION LABEL
- 5 CONNECTION DIAGRAM
- 6 MOUNTING BASE PLATE
- 7 PRIMARY TERMINALS (M12)
- 8 EARTHING SCREW (M8)

TYPE	A	B	C	WT. IN kg. (APPROX.)
E/02	207	250	290	22
EM/02	240	250	290	27
F/02	262	250	290	30
FM/02	305	340	370	37

NOTE:  
 (1) MULTI RATIO IS OBTAINED ON SECONDARY TAPPINGS.  
 ▲ (2) PROVIDED WHEN REQUIRED.

GENERAL ARRANGEMENT OF 11kV  
 EPOXY-RESIN INSULATED  
 CURRENT TRANSFORMER  
 TYPE :DPCT-11E/EM/F/FM/02

MINOR CHANGE WITHOUT NOTICE  
 ALL DIMENSIONS ARE IN mm.

SCALE  
 1 : 4

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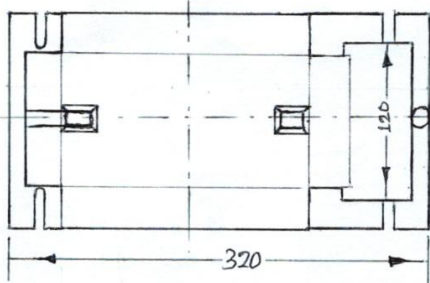
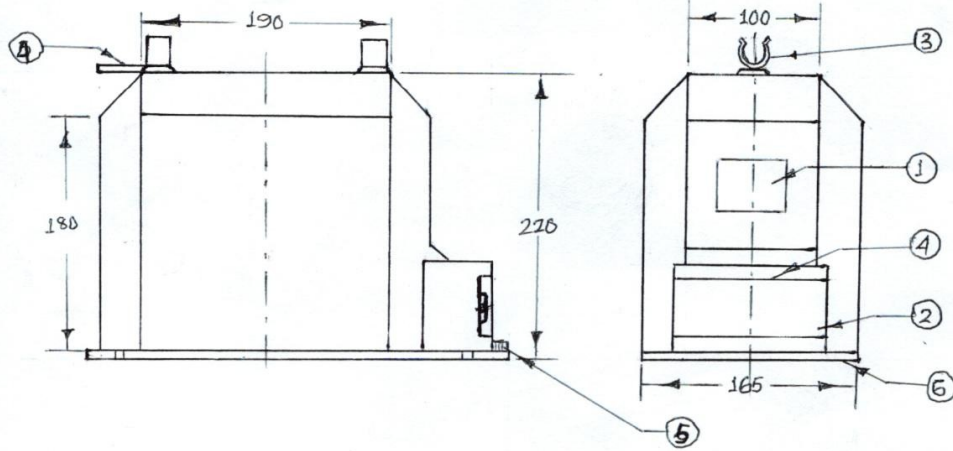
NO.	CHD.	DATE	REVISIONS
01	Redrawn	18/6	Redrawn

APP'D BY: [Signature] 18/6  
 CHD. BY: [Signature] 11-5-97  
 DRN. BY: [Signature]  
 No: DD 480-418  
 REV:-  
 FILE NAME -


REPLACES NO. D480-418M, D480-419, D480-419M

*S.K. Samal*  
 03-11-15

ITEM CODE - 04T061279 (SL. NO-3)

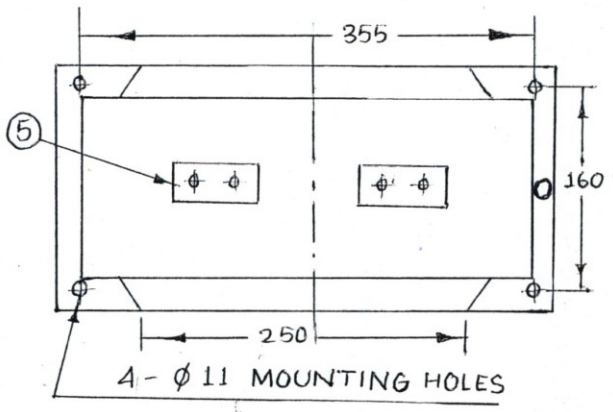
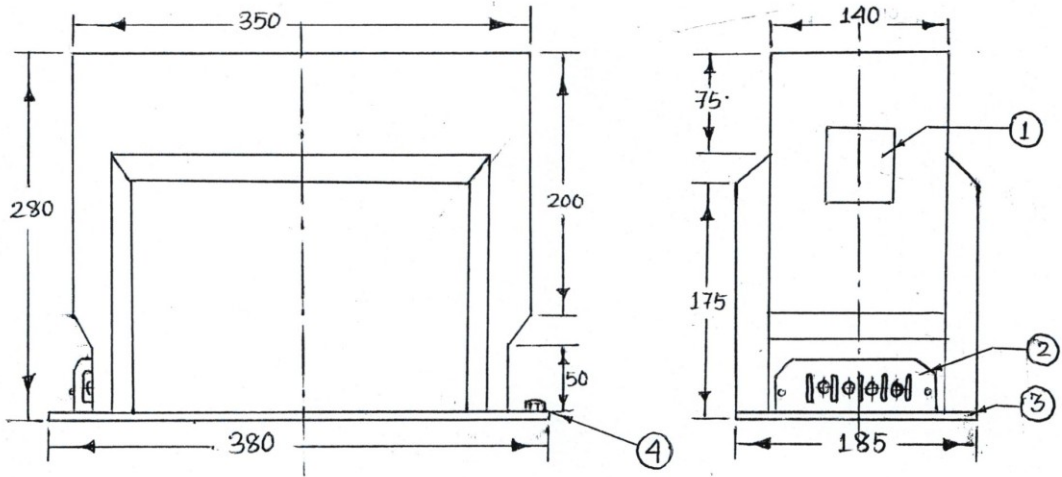


- ① NAME PLATE
- ② SEC. TERMINAL COVER
- ③ H.V. FUSE CLAMP
- ④ CONNECTION DIAGRAM
- ⑤ PRIMARY TERMINAL
- ⑥ MOUNTING BASE PLATE
- ⑦ EARTHING SCREW

VOLTAGE TRANSFORMER MODEL - ECS 11B RATIO - 6600/√3, 110/√3, 110/3V	ALL DIMENSIONS ARE IN MM	
	MINOR CHANGE WITHOUT NOTICE	
	SCALE 1:5	 FIRST ANGLE

*S.K. Jemal*  
03.11.15

ITEM CODE- 040042513 (SL. NO. -4)

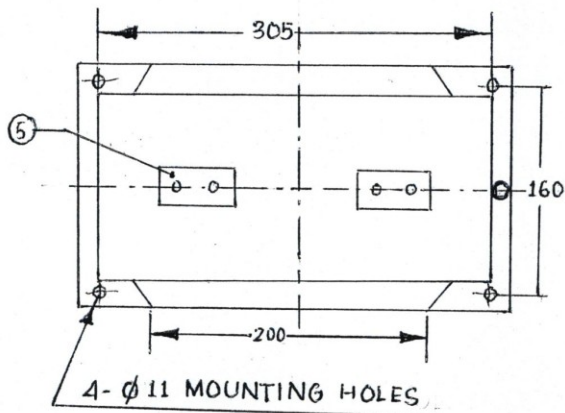
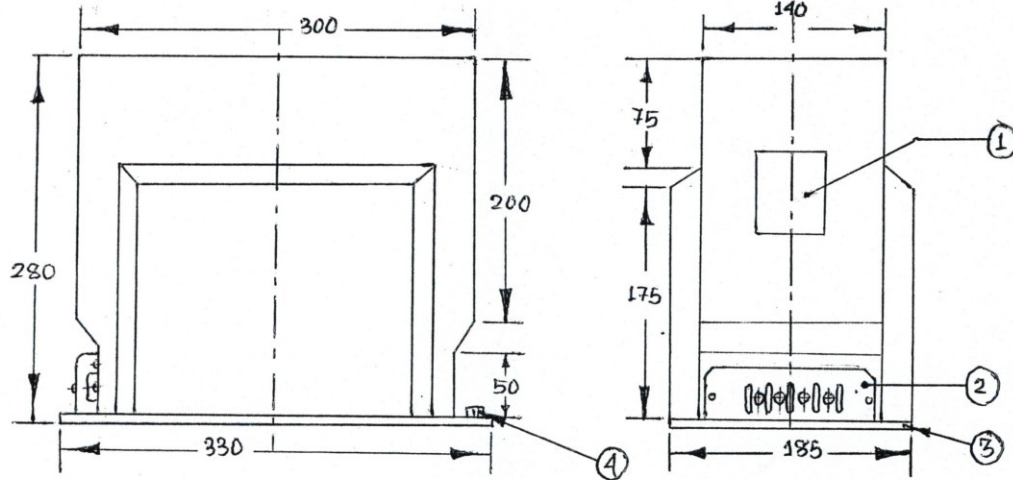


- 1. NAME PLATE
- 2. SEC. TERMINAL COVER
- 3. MOUNTING BASE PLATE
- 4. EARTHING SCREW
- 5. PRIMARY TERMINAL

		WBPDCL, SANTALDIH
		ALL DIMENSIONS ARE IN MM
		MINOR CHANGE WITHOUT NOTICE
SCALE 1:5		FIRST ANGLE

*S. K. Samal*  
03.11.15

ITEM CODE - 04C042514 (Sl. NO - 5)



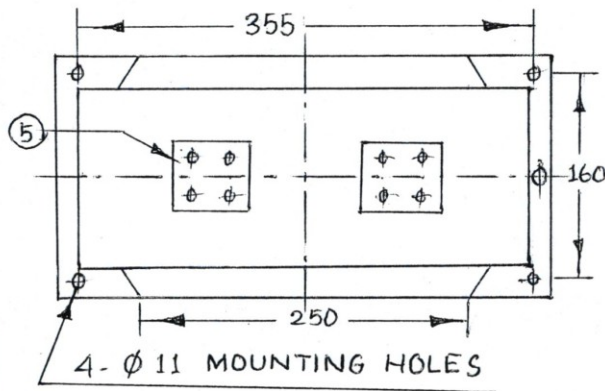
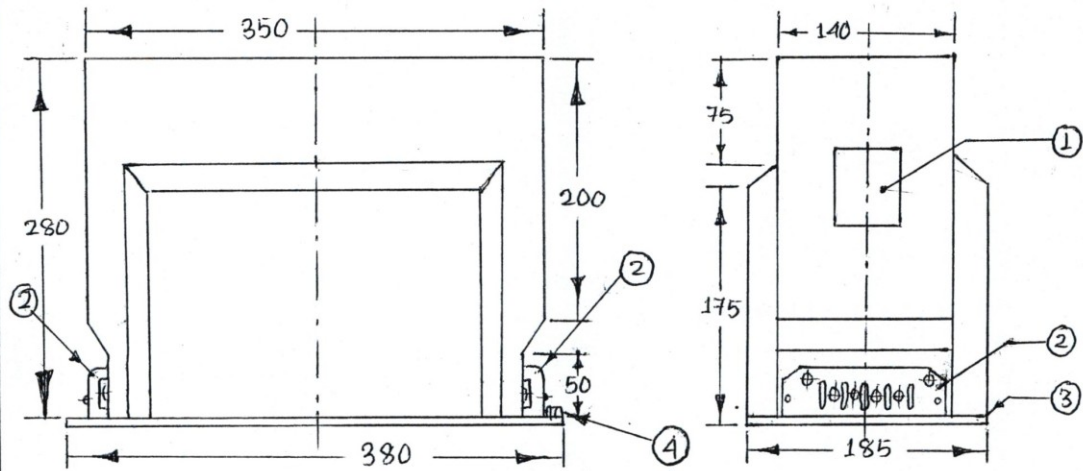
1. NAME PLATE
2. SEC. TERMINAL COVER
3. MOUNTING BASE PLATE
4. EARTHING SCREW
5. PRIMARY TERMINAL

		$\Omega$
		WBPDCCL, S.T.P.S.
		ALL DIMENSIONS ARE IN MM
		MINOR CHANGE WITHOUT NOTICE
SCALE 1:5		FIRST ANGLE

*S.K. Samal*  
03-11-15



ITEM CODE - 04C042515 (SL. NO - 6)

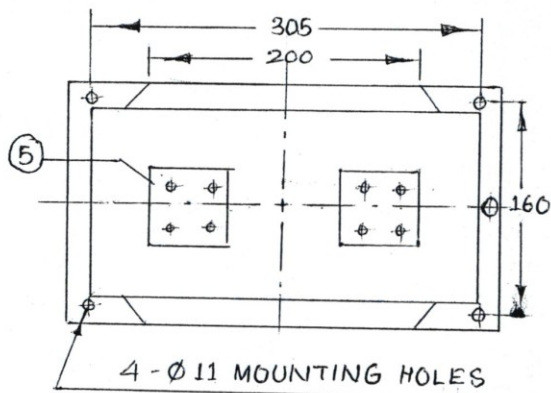
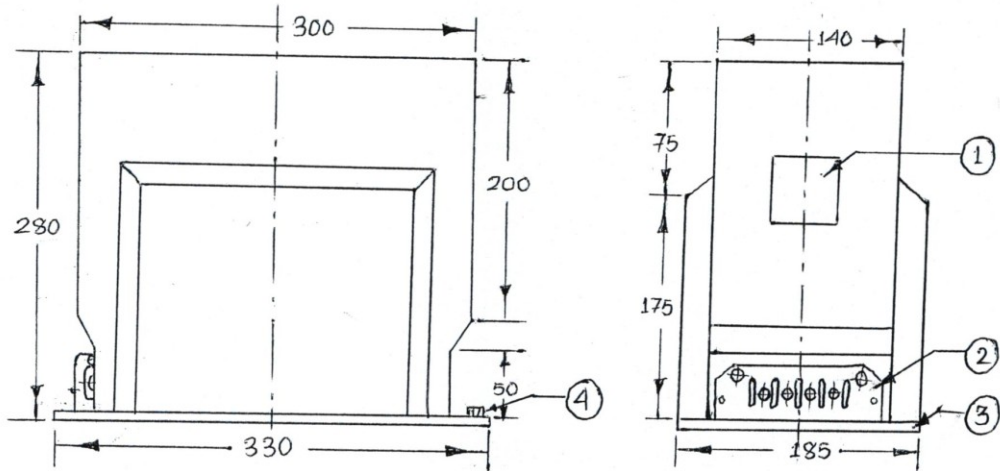


- 1. NAME PLATE
- 2. SEC. TERMINAL COVER
- 3. MOUNTING BASE PLATE
- 4. EARTHING SCREW
- 5. PRIMARY TERMINAL


WBPDCL, STPS.		
ALL DIMENSIONS ARE IN MM		
MINOR CHANGE WITHOUT NOTICE		
SCALE 1:5		FIRST ANGLE

*S. K. Samal*  
03-11-15

ITEM CODE:- 04C042516 (SL. NO - 7)



- 1. NAME PLATE
- 2. SEC. TERMINAL COVER
- 3. MOUNTING BASE PLATE
- 4. EARTHING SCREW
- 5. PRIMARY TERMINAL

	<p>WBPDCL, S<math>\blacksquare</math>TPS</p> <p>ALL DIMENSIONS ARE IN MM</p> <p>MINOR CHANGE WITHOUT NOTICE</p>
<p>SCALE 1:5</p>	 <p>FIRST ANGLE</p>

*S.K. Samal*  
03/11/15