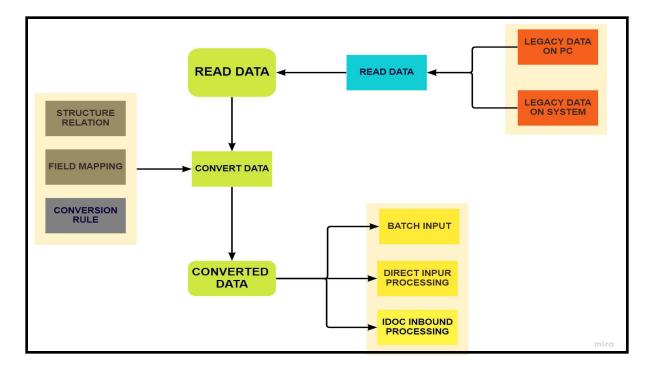
LSMW (LEGACY SYSTEM MIGRATION WORKBENCH)

- LSMW is a tool that supports the transfer of data from non-SAP systems ("Legacy Systems") to SAP R/3 systems. This can be a one-time transfer as well as a periodic one.
- In simple word we can say to upload non sap details (ex.material data) into sap by using LSMW
- LSMW support conversion of data of the legacy system in a numerous way
- The data can be imported into sap R/3 system via batch input ,direct input, BAPI or IDOC

There are four modes of transfer

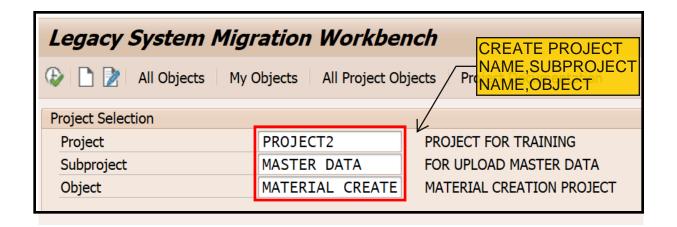
Sr.no	Mode of transfer	Details
1	Standard/batch input	Standard upload program
2	Batch input recording	Here you can create
		recording of your own and
		use it to upload
3	Bapi	Standard bapi are used to
		upload data
4	Idocs	Any inbound idoc function
		functional module to process
		the data



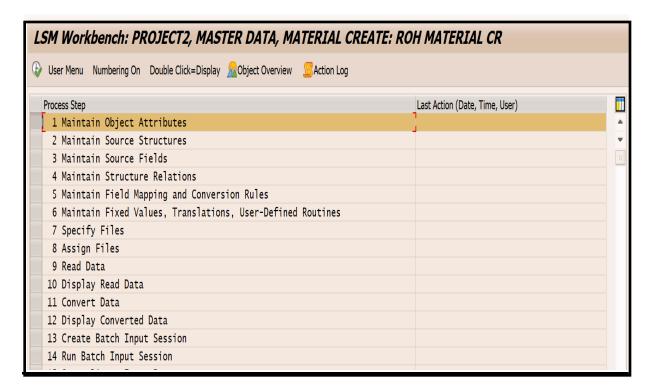
Our main objective is to enter max material entry into system in a batch mode

To start Ismw we have to use tcode Ismw

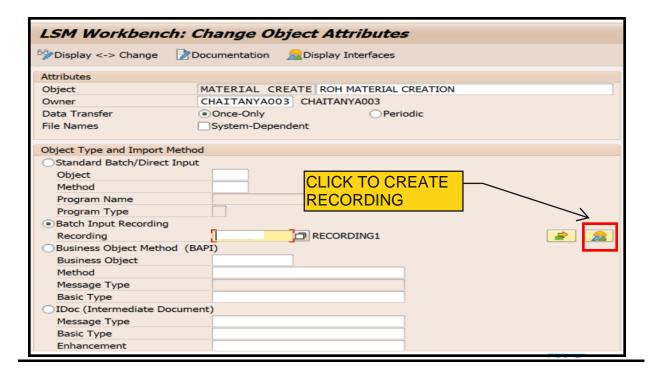
BEFORE FOLLOWING STEPS WE HAVE TO CREATE PROJECT SUBPROJECT AND OBJECT



TO USE LSMW WE HAVE TO FOLLOW BELOW STEPS

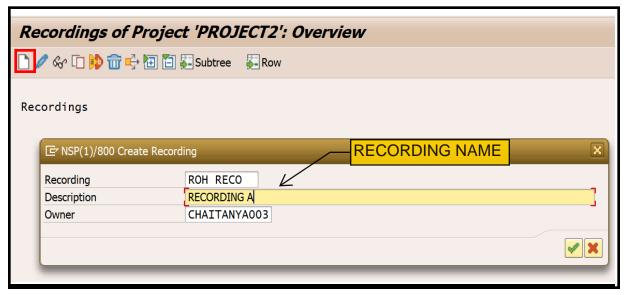


STEP 1 MAINTAIN ATTRIBUTES

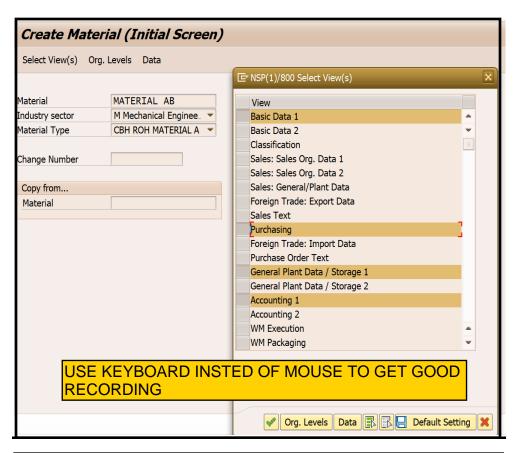


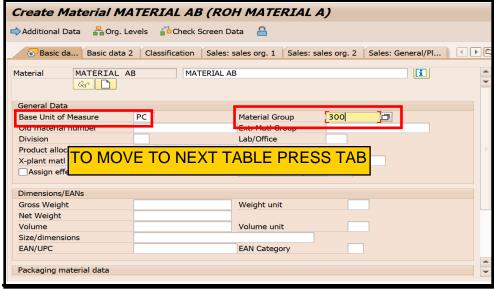
Now we have to give recording to system how the material will be created

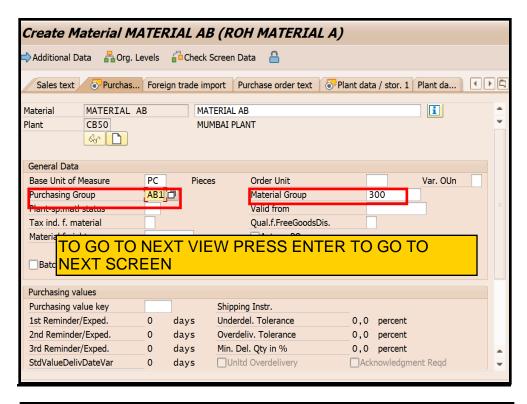
We can use data migration using bapi idoc direct input for below exercise we have used batch input recording method

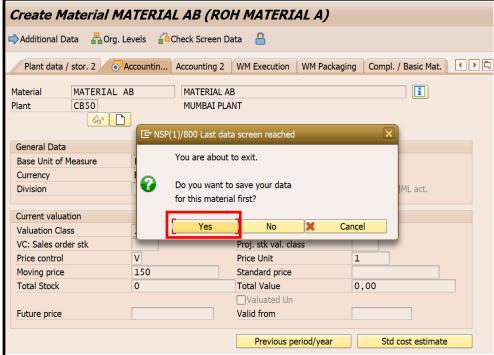


We have to give transaction code for which we have to use recording I want to create material so i used mm01





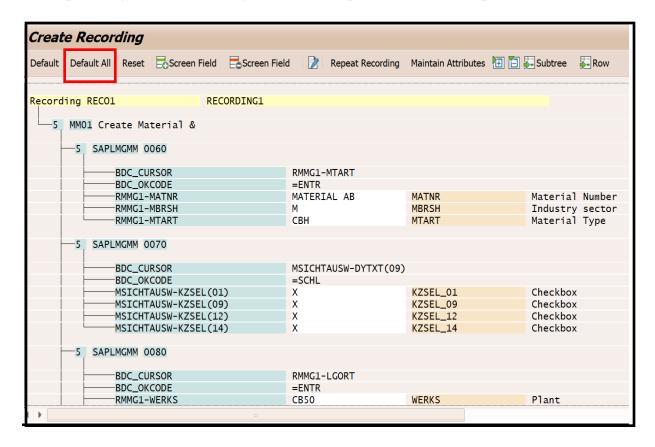




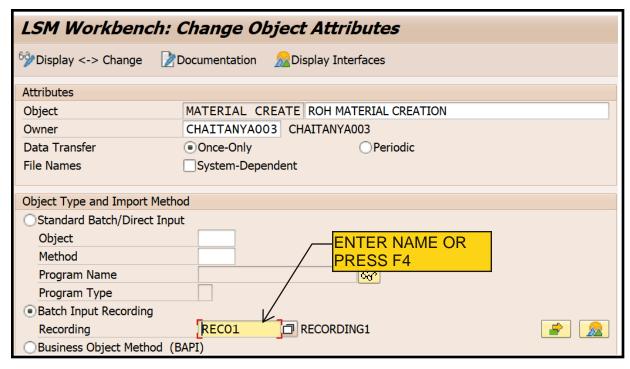
Note: while creating material do not click everywhere

Only enter the field which we have maintaine because system record our each action

After pressing default all we get all field required for batch input

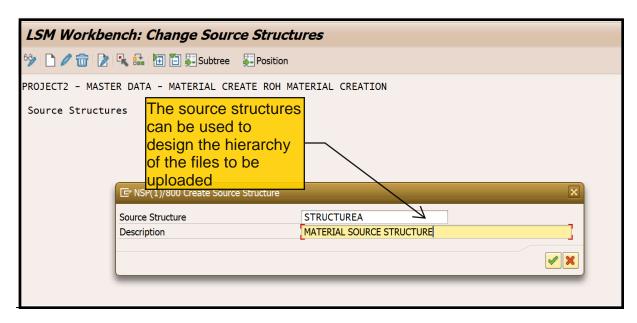


Save the recording and assign into object attribute



STEP 2 MAINTAIN SOURCE STRUCTURE

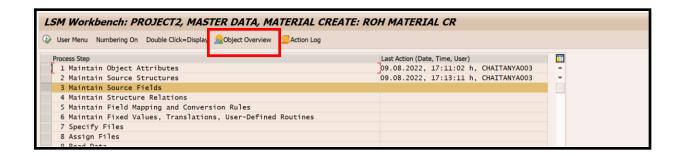
Source Structure will have all the Source fields which are recorded or captured during Method definition.

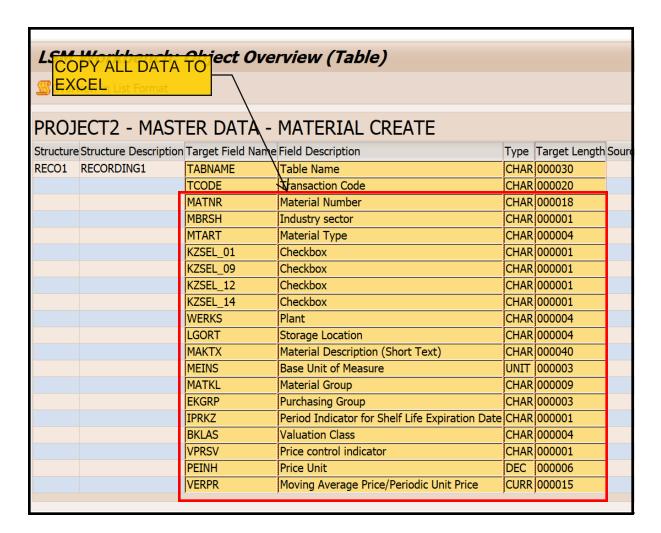


STEP 3 MAINTAIN SOURCE FIELD

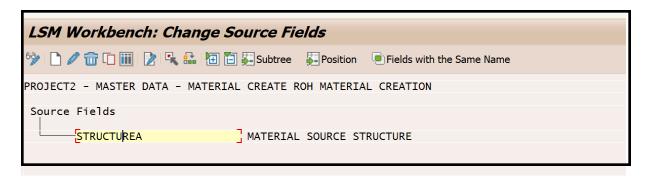
In this step we have to maintain source field under source structure

To maintain this we required source field so we go to overview and copy data to excel





I copied all data into excel and i have to enter field name type length in source field



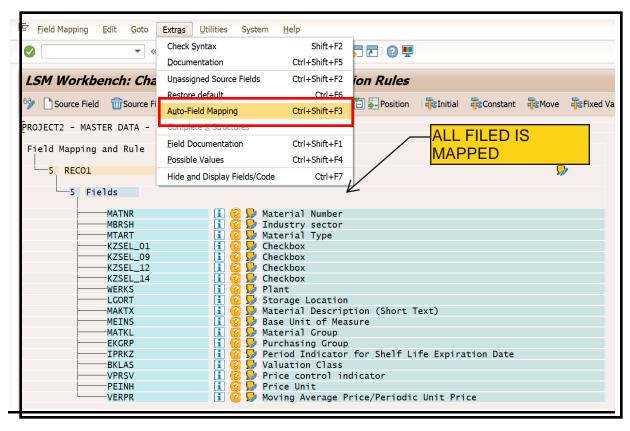
Source Fields for Source Structure STRUCTUREA									
Field Name	Туре	Le	Field description						
MATNR	C	18	Material						
MBRSH	С	1	Industry sector						
MTART	С	4	Material Type						
KZSEL_01	С	1	KZSEL_01						
KZSEL_09	С	1	KZSEL_09						
KZSEL_12	С	1	KZSEL_12						
KZSEL_14	С	1	KZSEL_14						
WERKS	С	4							
LGORT	С	4							
MAKTX	С	40	Material Description						
MEINS	С	3	Base Unit of Measure						
MATKL	С	9	Material Group						
EKGRP	С	3	Purchasing Group						
IPRKZ	С	1	IPRKZ						
BKLAS	С	4	Valuation Class						
VPRSV	С	1	Price control						
PEINH	С	6	Price Unit						
VERPR	С	15	Moving price						
₹	⊻	\leq							
⊻ ←	⊻	\leq							
I PASTE DATA FROM EXCEL									

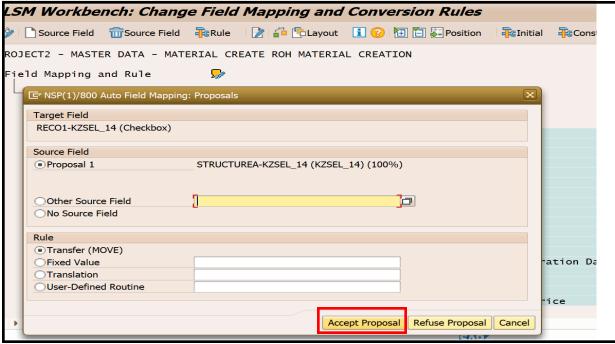
STEP 4 MAINTAIN STRUCTURE RELATION

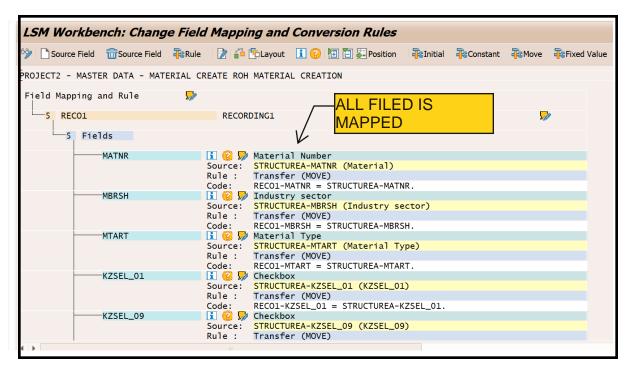


STEP 5 MAINTAIN FIELD MAPPING

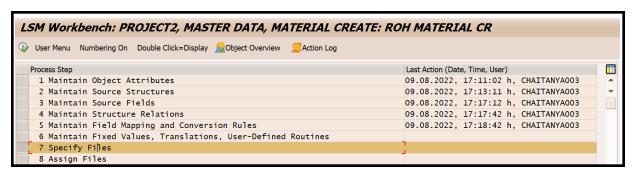
In this step we assign source field to target field and define how the field content will be converted



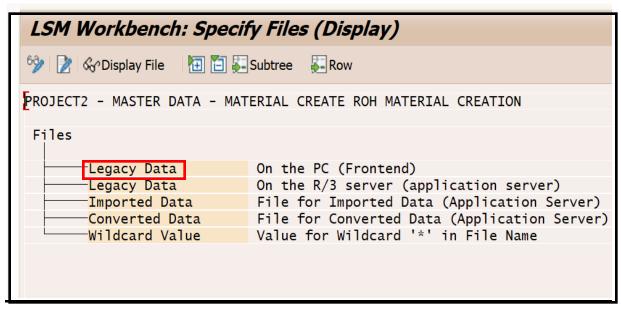




Now our configuration process is complete from next we have to do every time when we have to add material



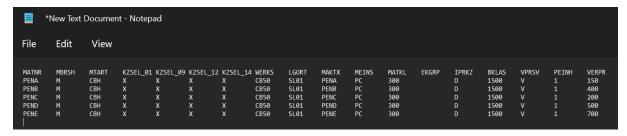
STEP 6 SPECIFY FILES

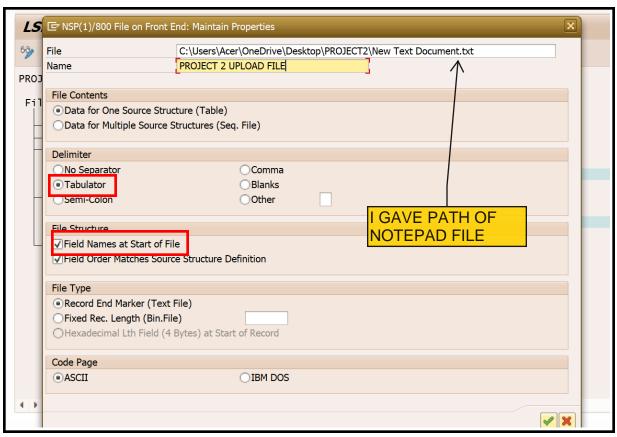


I transpose the field and entered the required material in excel sheet to be enter in system

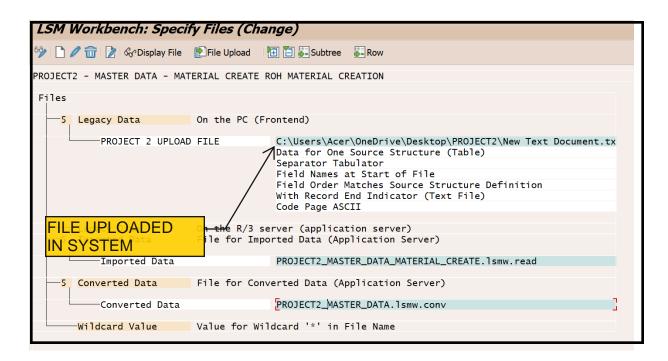


I copied all details to notepad



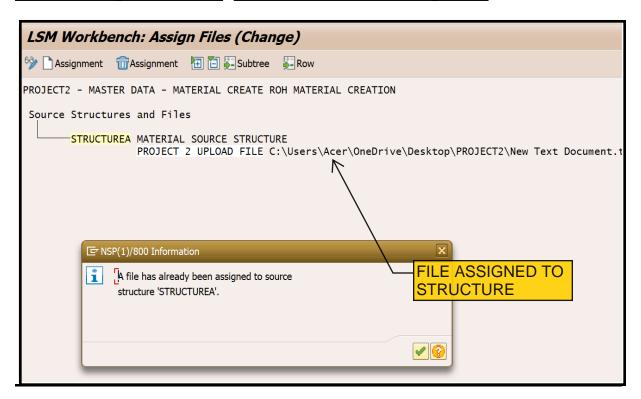


I have uploaded notepad file in system



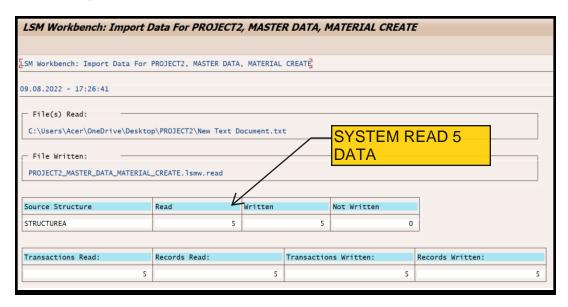
STEP 7 ASSIGN FILES

In this step we allow the file to use for upload



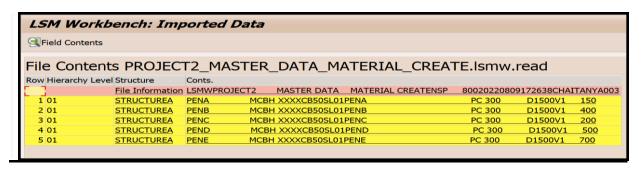
STEP 8 READ DATA

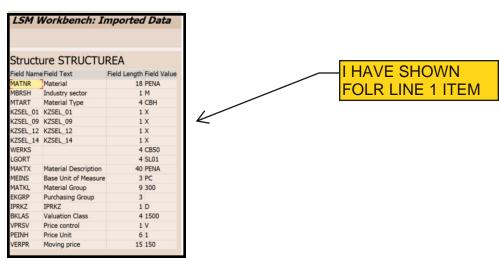
In this step we allow system to read the data



STEP 9 DISPLAY DATA

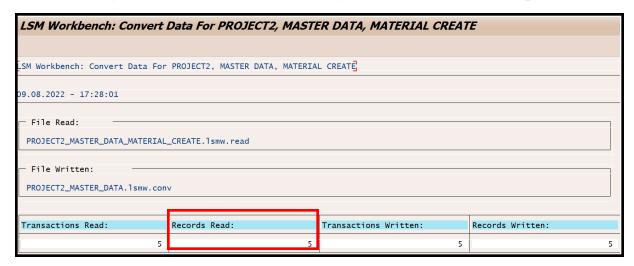
In this step system show uploaded data





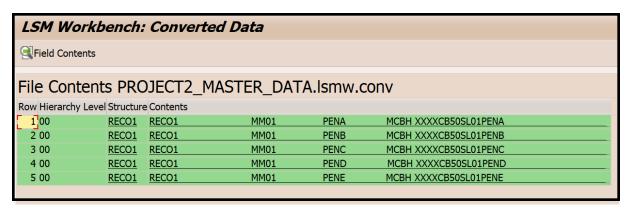
STEP 10 CONVERT DATA

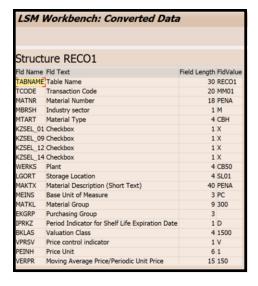
In this stem system converout own manually non system data into sap data

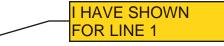


STEP 11 DISPLAY DATA

In this step system show converted sap data



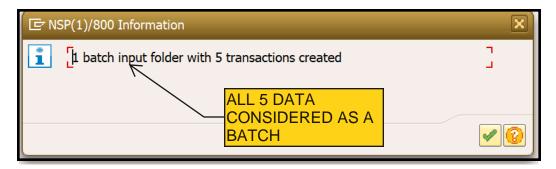




STEP 12 CREATE BATCH INPUT

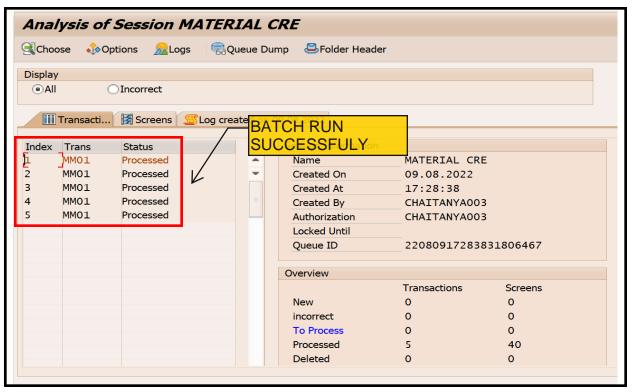
In this step system considered all enter data as a batch input

Aftere execute we get below msg



STEP 13 RUN BATCH INPUT





Result

We can see material is created in system automatically in mm60

Materials List											
역 호 구 7 Z 6 11 4 4 5 7 16 18 대대대											
Material	Plant	Val. Type Description	Last Cha M	Tyn M atl	WE GET A	Typ ValCl Pr.	Price Crcv	/ Created by			
BRGA	CB50	BRGA		300 300	MATERIAL			CHAITANYA003			
BRGB	CB50	BRGB		3H 300	- DC AP1	1 E 0 0 C		CHAITANYA003			
BRGC	CB50	BRGC	/ CI	3H 300	PC ARI	IN 1500 S	400,00 EUR	CHAITANYA003			
BRGD	CB50	BRGD	/ CI	300 BH	SYSTEM		500,00 EUR	CHAITANYA003			
LSMW51	CB50	LSMW51 /	CI	300 BH	AUTOMAT	ICALLY	1.500,00 EUR	CHAITANYA003			
LSMWA1	CB50	LSMWA1	CI	300 BH	PC AB1	1500 S	1.500,00 EUR	CHAITANYA003			
MATERIAL AB	CB50	MĄTĘKIAL AB	CI	300 BH	PC AB1	1500 V	150,00 EUR	CHAITANYA003			
MATERIAL C	CB50	MATERIAL C	CI	300 BH	PC AB1	1500 S	400,00 EUR	CHAITANYA003			
MATERIAL D	CB50	MATERIAL D	CI	300	PC AB1	1500 S	500,00 EUR	CHAITANYA003			
PENA	CB50	PENA	CI	300 BH	PC AB1	1500 V	150,00 EUR	CHAITANYA003			
PENB	CB50	PENB	CI	300 BH	PC AB1	1500 V	400,00 EUR	CHAITANYA003			
PENC	CB50	PENC	CI	300 BH	PC AB1	1500 V	200,00 EUR	CHAITANYA003			
PEND	CB50	PEND	CI	300	PC AB1	1500 V	500,00 EUR	CHAITANYA003			
PENE	CB50	PENE	CI	300 BH	PC AB1	1500 V	700,00 EUR	CHAITANYA003			
X	CB50	LSMWA1	CI	300 BH	PC AB1	1500 S	1.500,00 EUR	CHAITANYA003			