

BANGLADESH POWER DEVELOPMENT BOARD

CODE LIST FOR COMPUTERISED BILLING SYSTEM

1.0 Location Code

This consists of 2 digits to represent combination of Zone, Circle, Division, Sub-division.

The code for the above will vary from one commercial office to other
The consumer number range by location is shown in the Appendices.

2.0 Book No : Book no (3 digit) e.g. 120,425

3.0 Bill Gr : Bill Group no.(2 digit) e.g. 01,06

4.0 Values for consumer source:

Code	Description
N	New consumers
F	Census consumers
M	Migrated consumers
L	Additional meter

5.0 Walking Order :

This consists of 4 digits. The starting number is 1010 and then 1020, 1030, 1040 and so on. The walking order is determined according to the meter readers walk to take meter reading for a day. The reason to leave some numbers between the two walking order numbers to facilitate to enter the new consumers walk order. However at initial stage the order is 1010, 1020, 1030 and onward up to the last consumer in the respective book.

6.0 Values for Govt. Flat

Code	Description
Y	For 'Yes'
N	For 'No'

7.0 Computer Consumer Number

Applicable only for 'M' and 'L' described in section 2.0 above.

8.0 Consumer Number

Consumer number is unique and consists of 8 digits. Last digit is check digit.

9.0 Consumer Name :

গ্রাহকের নাম মোট 40 digit এর মধ্যে লিখতে হবে। যদি নাম 40 digit এর বেশী হয় তবে তা সংক্ষিপ্ত আকারে লিখতে হবে।

10.0 Fathers/Husband Name :

গ্রাহকের পিতা বা স্বামীর নাম। মোট 40 digit এর মধ্যে লিখতে হবে। যদি নাম 40 digit এর বেশী হয় তবে তা সংক্ষিপ্ত আকারে লিখতে হবে।

11.0 Relation :

গ্রাহকের সংগে সম্পর্ক। যেমন **Father** হলে **F** বা **Husband** হলে **H**।

12.0 Service Address :

যেখানে গ্রাহকের মিটার স্থাপিত সেখানাকার ঠিকানা। মোট ৬০ ঘরের মধ্যে ঠিকানা লিখতে হবে।

13.0 City :

শহরের নাম। যেমন **Chittagong**.

14.0 Mailing Address :

গ্রাহক যে ঠিকানায় বিল পেতে চায়। মোট ৬০ ঘরের মধ্যে ঠিকানা লিখতে হবে। যদি **Service Address** এবং **Mailing Address** একই হয় তবে **Mailing Address** পূরণ করার প্রয়োজন নাই।

15.0 Postal Code :

Service Address বা **Mailing Address** এর **Postal Code** লিখতে হবে।

16.0 Bank1 : গ্রাহক যে ব্যাংকে বিল পরিশোধ করবে তার নাম। যেমন : পূবালী ব্যাংক, জনতা ব্যাংক।

17.0 Branch1 : উপরোক্ত ব্যাংকে যে ব্রাঞ্চে বিল পরিশোধ করবে তার নাম। যেমন পটিয়া ব্রাঞ্চে, আশাবাদ শাখা।

18.0 Bank2 :

19.0 Branch2 :

20.0 KWH Meter details**20.01 Miter Ownership**

Data type: Numeric

Code	Ownership
1	Supplied by BPDB
2	Supplied by Consumer

20.02 Meter type :

Code	Meter type	Abbreviation	Old HT Meter Type
01	KWH Single phase, Single Register	KWH, 1F, 1R	N/A
02	KWH Single phase, Double Register	KWH, 1F, 2R	N/A
03	KWH Three phases, Single Register	KWH, 3F, 1R	02
04	KWH Three phases , Single Register with Max, Demand Indicator	KWH, 3F, 1R,M	03
05	KWH Three phases Double Register	KWH, 3F, 2R	04
06	KWH Three phases, Double Register with Max. Demand Indicator	KWH, 3F, 2R, M	05
07	KVARH, Single Register	KVARH 1R	01
08	KVARH, Double Register	KVARH, 2R	02
09	KVAR, Single Register	KVARH, 1R	N/A
10	KVAR, Double Register	KVAR, 2R	N/A
11	KWH 3 Phase single register with Cum. Demand meter3		06
12	KWH 3 Phase double register with Cum. Demand meter		07
99	KWH 1 Phase dummy meter		N/A

20.03 Meter Make :

Code	Manufacturers
01	LANDIS & GYR
02	CMEC
03	USSR
04	GEC
05	HASAF
06	HAY ELECTRIC
07	BEMCO
08	SANGYOYONG
09	PADMA
10	FUZI
11	SCHELUMBERGER
12	ENERTEC
13	SUMITOMO
14	SIEMENS
15	BBC
16	AEG
17	FETANTI

20.03 Meter Make :

18	NGANZ
19	WESTINGHOUSE
20	MEGHNA
21	ESTERN
22	VANSTAB
23	CHINA
24	JUMUNA
25	KEMCO
26	SOLAR
27	RELIANCE
28	PRIME
29	MILLINIEM
99	OTHERS

20.05 Meter Location : Data type: Numeric

Location Code	Location
1	In house
2	In house with metering at LT side
3	Pole mounted in consumer's premises
4	Pole mounted outside consumer's premises
5	Wall mounted outside house
6	Under stairs
9	Others

20.06 Meter Number : Data type: Alpha Numeric

The number on the meter which is given by the manufacturer

20.07 Meter Digit : Data type Numeric

The number of digit displayed by the meter . e.g. 4,5,6....8 etc.

20.08 Current rating : Data type Numeric

CODE	RATING
1	1A
2	5A
3	10A
4	20A
5	10(20)A
6	10(30)A
7	10(40)A
8	15(60)A
9	20(60)A
10	30(90)A
11	30(120)A
12	30(75)A
14	50(100)A
15	20(80)A
16	20(40)A
17	30A
18	60A
21	100
22	5
90	1000
99	99

20.09 Voltage rating : Data type Numeric

CODE	RATING
01	110V
02	230V
03	415V
04	220V
05	225V
06	240V
07	440V

20.10 Meter condition : Data type Numeric

The meter condition code consists of two digits.

The first digit represents the components of consumer's meter

The second digit represents the condition of the respective component

The codification is to be done in the following way

First Digit	Component of the Meter Unit	Second Digit	Condition of the component
1	Meter	1	Not working correctly
2	Maximum Demand	2	Burnt/Damaged
3	Time Switch	3	Out of order
4	Instrument Transformer	4	Meter by passed
5	Protection Gear	5	Without Meter

e.g. 11 means “Meter Not working correctly”, 13 means “Meter Out of order”, 31 means “Time Switch Not working correctly”.

20.11 Dial MF : Data type: Numeric

This means dial multiplication factor e.g 10

This number is without decimal value

20.12 PT ratio : Data type: Numeric

PT (potential transformer) ratio has 2 parts.

The 1st part is primary voltage in “kv” & 2nd part is secondary voltage in “volt”.

For example 415 volts/230 volts will be shown as “415:230”

If there is no PT then the fields should be kept blank

20.13 CT ratio : Data type: Numeric

The CT ratio has got 2 parts.

The 1st part is primary current in ampere & 2nd part is secondary current in ampere.

If there is no CT then the fields should be kept blank

20.14 Overall MF : Data type: Numeric

This is the number to be multiplied by the advance in meter reading to calculate consumption e.g. 100.00

The OMF can be calculated from dial MF, PT ratio & CT ratio.

20.15 Meter Seal : Data type: Numeric

Code	Description
1	Present
2	Broken
3	Nil

20.16 Protection type : Data type: Numeric

Code	Description
1	MCCB
2	FUSE
3	CUT OUT

20.17 Time Switch Seal : Data type: Numeric

Code	Description
1	Present
2	Broken
3	Nil

20.18 TOD (Time of the day) code

TOD means single register (SR) double register (DR) multiple register

20.19 Time cycle code

Time cycle means single register (SR) off peak (OPK) peak (PK) reading.

20.20 Reading type code

Reading type means KW, KWH, KVARH etc.

20.21 Meter side (For HT)

Data type: Numeric

Code	Description
1	LT side
2	HT side

(Calculation of transformer loss unit depends on this data)

20.22 Phase connection

Data type: Numeric

Code	Description
1	Single phase
3	Three phase

21. Service connection type

Data type: Numeric

Code	Description
1	Overhead
2	Underground
3	Mixed

22. **Sub-Station** : Name of sub-station e.g. Jalalabad

23. **11 KV Feeder** : Name of feeder e.g. Stadium

24. **Pole No** :

- Pole number shall be 11 KV feeder-wise and shall begin from 33/11KV sub-station
- Each pole number shall bear the reference to 33/11 KV sub-station, 11 KV feeder branch and sub branch.
- If the pole is numbered not in a systematic way, the new numbers in the respective area will be given

25. **Tariff**

Data type: According to tariff book (usually alpha numeric).

This is a category of a consumer. As per tariff book the category are as follows:

CODE	TARIFF
A	Residential, Light & Power
B	Agricultural Pumping
C	Small Industries
D	Non-residential
E	Commercial
J	Street Light & Water pump
F	Medium Voltage (11KV)
G-1	Extra High Tension (132KV)
G-2	Extra High Tension (132KV) General Purpose
H	High Tension (33KV)
I	REB/PBS

26. Sanctioned Load (KW) : Data type: Numeric

This is the load sanctioned by the authority for the consumer and to be written in KW

27. Connected Load (KW) : Data type: Numeric

This is the actual load found connected. It is to be written in KW (May be follow the guide line of SBU document)

28. Monthly Likely Consumption (KWH) : Data type: Numeric

Average monthly consumption (KWH) as per tariff or estimated average which is greater. (May be follow the guide line of SBU document)

29. Consumer Status : Data type: Numeric

Code	Description
01	Government
02	Semi Government
03	Autonomous
04	Corporation
05	Private
06	Embassy/Duty free foreign organisation
09	Others
11	PDB Employee – Class – 1
12	PDB Employee – Class – 11
13	PDB Employee – Class – 111
14	PDB Employee – Class – 1V
15	PDB Employee – P.S
16	PDB Employee Trainer of T.C
21	DESA Employee – Class – 1
22	DESA Employee – Class – 11
23	DESA Employee – Class – 111
24	DESA Employee – Class – 1V
25	DESA Employee – P.S
26	DESA Employee Trainer of T.C

30. Type of Business : Data type Numeric

Basic Business Class	Actual Business	Code	Remarks
Residential	Single Flat	11	
	Multiple flat (Residential) 90% Consumption under 1 st slab of category A (0-100 unit) 10% consumption under last slab of category A (>700 unit)	12	Only for HT
	Multiple flat (Mixed Residential Complex) 20% consumption under category F 80% consumption under category A The above 80% is charged as follows. 90% consumption under 1 st slab of category A (0-100 unit) 10% consumption under last slab of category A (>700 unit)	13	Only for HT
Agriculture	Irrigation, Shallow tube well Low lift pump	21	
	Irrigation, Deep Tube well	22	
	Others	29	
	(Irrigation Season-from February to May for 4 Months and from February to May. August to November for 8 months)		
Small Industries	Steel & Engineering	31	
	Food & Allied Products	32	
	Fuel & Power	33	
	Jute	34	
	Textile	35	
	Paper & Printing	36	
	Chemicals & Pharmaceuticals	37	
	Hotels	38	
	Leather & Tanneries	39	
	Garments	71	
	Potato Cold storage	72	
	Cold Storage	73	
Others	79		

Basic Business Class	Actual Business	Code	Remarks
Non - Residential			
	Educational	41	
	Religious	42	
	Religious (Registered)	45	
	Charitable	43	
	Govt. Hospital	44	
	Others	49	
Commercial			
	Shops	51	
	Hotel & Restaurant	52	
	Cinema	53	
	Shopping Center	54	
	Private Hospital & Clinic etc.	55	
	Office	56	
Others	59		

31. Connection status

Code	Description
00/Blank	Regular
57	Temporary connection
88	Self Billing

32. Mixed billing type (In case of check point metering consumer)

Code	Description
REG	Regular
CPC	Check Point – Child consumer
CPV	Check Point – Virtual consumer
CPR	Check Point – Real consumer
SMC	Shared meter – Child consumer
SMV	Shared meter – Virtual consumer
SPM	Single point metering

33. Associated Meter No : Mother Meter No for check point metering consumer

34. Rule for Special Case (In case of check point metering consumer)

Rule	Description
CL	Connected load
SL	Sanctioned load
%	Percentage

35. Value : In case of single point meter consumer (SPM). e.g. no. of consumer 25

36. Supply type

Code	Description
F	Feeder
T	Transformer

37.00 Transformer details

37.01 Transformer owner : (Depends on transformer rent)

Data type: Numeric

Code	Description
1	Supplied by BPDB
2	Supplied by consumer

37.02 Transformer Capacity : Data type: Numeric
e.g. 250, 500, 1000 KVA

37.03 Transformer Rating : Data type: Numeric

Code	Rating Primary KV/Secondary KV
1	11/4
2	33/4
3	33/11
4	132/33

Error list of Exception Report

Error Code	Error Description
01	Closing reading or Advance absent
02	Opening reading absent
03	Present – Previous \leftrightarrow Advance
04	Meter digit mismatch
05	Cumulative Reading Not Advance
06	Cumulative No Mismatch
07	Meter cum no digit mismatch
08	Invalid Meter Condition
09	Miter Condition Mismatch With Previous Bill Cycle
10	PF Missing
11	Abnormal Consumption
12	Temporary disconnection miter showing advance
13	Miter digit mismatch for opening reading
14	Previous reading date absent
16	Previous cum no absent
17	Cum no digit mismatch for prev. cum no
21	Invalid Consumer Number
22	Invalid combination of Consumer, Location and Area
23	Check Digit value is mismatched with entered Consumer Number
24	Meter Number Absent
25	Invalid Consumer Number and Meter Number combination
26	Amendment date (D/R/E) is absent
27	Bill Cycle code for the entered date or bill cycle is not defined
28	The amendment date lies in a future bill cycle
29	The amendment date lies in a bill cycle prior to start bill cycle
30	Disconnection reason is missing or invalid
31	Disconnection Type missing or Invalid
32	Amendment date (D/R/E) is less than Meter Connect Date
33	No reading details available for old/new meter
34	Invalid TOD code and time cycle code combination
35	Reading Type and TOD code and time cycle code invalid
36	More than one TOD exists
37	New meter number absent
38	Meter type is absent (for new meter)
39	Meter Type Invalid
40	Existing Meter Type code and modified type code mismatch
41	Meter Digit absent for new meter
42	KW Digit absent (demand type meter)

Error list of Exception Report

43	Cum digit absent (cum demand type meter)
44	Meter Digit does not correspond to meter type
45	Meter Side absent
46	Meter Owner absent
47	Meter Make Invalid
48	Current Rating Invalid
49	Volt Rating Invalid
50	Meter Location Invalid
51	Meter Seal Invalid
52	Protection Type Invalid
53	Mfg Year is greater than Installation Year
54	OMF absent
55	KW OMF absent
56	Time switch Number and Time switch set absent
57	Time switch seal in case of DR meter Invalid
58	OMF do not correspond to Meter Type
59	Phase Type is mismatched with meter type
60	Reading Type, Meter Type and TOD mismatch (new meter)
61	Opening Meter Reading absent for new meter
62	Cum No absent in case of cum demand type meter
63	Bank Code 1 is invalid
64	Bank Code 2 is invalid
65	Branch Code 1 is invalid
66	Branch Code 2 is invalid
67	Old Meter Number is invalid for Master Amendment
68	Either one of Bank and Branch Code 1 is absent
69	Either one of Bank and Branch Code 2 is absent
70	Bank Code 1 and Branch Code 1 combination is invalid
71	Bank Code 2 and Branch Code 2 combination is invalid
72	Old Feeder Transformer Id Missing for Master Amendment
73	Spl Code Invalid
74	Bus Type Code Invalid
75	Tariff Invalid
76	Customer Type Invalid
77	Combination of Tariff, Spl Code, Bus Type, Customer Type Invalid
78	Reading Type does not correspond to meter Type in Bill Correction
79	Meter is already temporarily disconnected
80	Meter is already disconnected
81	Meter is connected
82	Meter is permanently disconnected

Error list of Exception Report

83	Meter discon. date is less than temporary discon. date
84	Meter recon date is less than temporary discon date
85	Meter exchange date is less than temporary discon date
86	TOD code entered is not matching with the existing code
87	Reading Type does not correspond to type of meter and TOD code
88	Reading date of current MRS is equal to amendment (D/R/E) date
89	Energy meter is disconnected when associate meter is connected
90	Associated meter is reconnected when energy meter is disconnected
91	Reading absent
92	Reading and assessed consumption both are absent
93	Last billed closing reading absent for new meter for backdated exchange
94	Reading date absent
95	Purpose Of Reading absent in Bill Correction
96	Invalid Reading Date in Bill Correction
97	Invalid Meter type change
98	Invalid Transformer ID
99	Old Value is the same as the New Value
100	Old Trx ID absent in Bill Correction
101	OMF Change not from first bill cycle
102	Digit change not from first bill cycle
103	Cum digit change not from first bill cycle
105	Meter Digit change not from first bill cycle
106	Invalid New Meter Reading
107	Invalid Reading Date, Purpose Of Reading Combination
108	Opening Reading change nor from first bill cycle
109	Disconnection reading is absent bur a subsequent closing reading present

BANGLADESH POWER DEVELOPMENT BOARD

New Office Codes (Location) & Consumer no. range

Zo ne	Circ le	Divisio n	Sub Division	Comm. Office	Location	Lower Value of Consumer Range	Upper Value of Consumer Range
2	1	13	01	S&D Agrabad	W1	2,130,000	2,190,000
2	1	14	01	S&D Hالشahar	W2	2,190,001	2,220,000
2	1	11	01	S&D Pahartali	W3	2,220,001	2,260,000
2	1	12	01	S&D Kulshi	W4	2,260,001	2,288,000
2	2	22	01	S&D Patharghata	E1	2,300,000	2,360,000
2	2	24	01	S&D Stadium	E2	2,360,001	2,410,000
2	2	23	01	S&D Sholoshahar	E3	2,410,001	2,438,000
2	2	21	01	S&D Kalurghat	E4	2,438,001	2,478,000
2	2	25	01	S&D, Bakulia	E5	2,508,000	2,548,000
2	4	41	01	Dist. Div., Fouzderhat	N1	2,478,000	2,508,000
2	4	42	01	Hathazari Electric Supply	N2	2,548,000	2,574,000
2	5	51	01	Dist. Div., Potiya	S1	2,574,000	2,599,000
2	5	52	01	Dist. Div. Cox's Bazar	S2	2,599,000	2,629,000
2	3	34	01	S&D 1, Comilla	C1	3,101,001	3,141,000
2	3	35	01	S&D 11, Comilla	C2	3,141,001	3,189,000