

E-INVOICE FORMAT SHCEMA

```
{
  $schema: "http://json-schema.org/draft-07/schema#",
  Title: "GST-India Invoice Document",
  Description: "GST Invoice format for IRN Generation in INDIA", Version: {
    type: "string",
    minLength: 1,
    maxLength: 6,
    description: "Version of the schema"
  },
  Irn: {
    type: "string",
  },
  TranDtIs: {
    minLength: 64,
    maxLength: 64,
    description: "Invoice Reference Number"
    type: "object",
    properties: {
      TaxSch: {
        type: "string",
        minLength: 3,
        maxLength: 10,
        1-3
        enum: [
          GST
          1,
        ],
      },
      SupTyp: {
        description: "GST- Goods and Services Tax Scheme"
        type: "string",
        minLength: 3,
        maxLength: 10,
        enum: [
          B2B,
          SEZWP,
          SEZWOP,
          EXPWP,
          EXPWOP,
          DEXP
        ],
      },
      RegRev: {
        description: "Type of Supply: B2B-Business to E"
        type: "string",
      }
    },
    minLength: 1,
    maxLength: 1,
    enum: [
      1,
      Y,
      N
    ],
    description: "Y- whether the tax liability is paya
  },
  EcmGstin: {
```

```

},
lgstOnIntra: {
  type: "string",
  minLength: 15,
  maxLength: 15,
  pattern: "([0-9]{2}[0-9A-Z]{13})",
  description: "GSTIN of e-Commerce operator"
  type: "string",
}
minLength: 1,
maxLength: 1,
enum: [
  Y,
  N
  1,
  description: "Y- indicates the supply is intra sta
],
]
No,
Dt
SellerDtIs: {
  type: "object",
  properties: {
    Gstin: {
      type: "string",
    },
    LglNm: {
    },
    TrdNm: {
      minLength: 15,
      maxLength: 15,
      pattern: "([0-9]{2}[0-9A-Z]{13})",
      description: "GSTIN of supplier"
      type: "string",
      minLength: 3,
      maxLength: 100,
      description: "Legal Name"
      type: "string",
      minLength: 3,
      maxLength: 100,
      description: "Tradename"
    },
    Addr1:{
      type: "string",
      minLength: 3,
      maxLength: 100,
      description: "Building/Flat no, Road/Street"
    },
    Addr2: {
      type: "string",
      minLength: 3,
      maxLength: 100,
      required: [
        TaxSch,
        SupTyp
      ],
    },
    DocDtIs: {

```

```
type: "object",
properties: {
  Typ: {
    type: "string",
    minLength: 3,
    maxLength: 3,
    enum: [
      INV,
      CRN,
      DBN
    ],
    description: "Document Type: INVOICE, CREDIT"
  },
  No: {
    type: "string",
    minLength: 1,
    maxLength: 16,
    pattern: "^[A-Z1-9]{1}[A-Z0-9/-]{0,15})$",
    description: "Document Number"
  },
  Dt: {
  },
  required: [
    Typ,
    type: "string",
    minLength: 10,
    maxLength: 10,
    pattern: "[0-3][0-9]/[0-1][0-9]/[2][0][1-2][0-9]"
    description: "Document Date"
    description: "Address 2 of the supplier (Floor n"
  ],
  Loc: {
    type: "string",
    minLength: 3,
    maxLength: 50,
    description: "Location"
  },
  Pin: {
    type: "number",
    minimum: 100000,
    maximum: 999999,
    description: "Pincode"
  },
  Stcd: {
    type: "string",
    minLength: 1,
    maxLength: 2,
    description: "State Code of the supplier. Refer"
  },
  Ph: {
    type: "String",
    minLength: 6,
    maxLength: 12,
    description: "Phone or Mobile No."
  },
  Em:{
  }
}
```

```

},
required: [
  Gstin,
  LglNm,
  type: "string",
  minLength: 6,
  maxLength: 100,
  description: "Email-Id"
  Addr1,
  Loc,
  Pin,
  Stcd
],
BuyerDtls: {
  type: "object",
  properties: {
    Gstin: {
      type: "string",
    },
    LglNm: {
      minLength: 3,
      maxLength: 15,
      pattern: "^([0-9]{2}[0-9A-Z]{13})|URP)$",
      description: "GSTIN of buyer, URP if exporting"
      type: "string",
      minLength: 3,
      maxLength: 100,
      description: "Legal Name"
    },
    TrdNm: {
      type: "string",
      minLength: 3,
      maxLength: 100,
      description: "Trade Name"
    },
    Pos: {
    },
    Addr1:{
      type: "string",
      minLength: 1,
      maxLength: 2,
      description: "State code of Place of supply. If P
      type: "string",
    },
  }
},
required: [
  Gstin,
  LglNm,
  Pos,
  Addr1,
  Loc,
  Stcd
  DispDtls: {
    type: "object",
    properties: {
      minLength: 6,

```

```
maxLength: 100,
description: "Email-Id"
Nm: {
  type: "string",
  minLength: 3,
  maxLength: 100,
  description: "Name of the company from which
},
Addr1: {
  type: "string",
  minLength: 3,
  maxLength: 100,
  description: "Address 1 of the entity from which
},
Addr2: {
  type: "string",
  minLength: 3,
  maxLength: 100,
  description: "Address 2 of the entity from which
},
Loc: {

  minLength: 3,
  maxLength: 100,
  description: "Address 1 of the buyer. (Building/
},
  Addr2: {
    type: "string",
    minLength: 3,
    maxLength: 100,
    description: "Address 2 of the buyer. (Floor no.
  },
  Loc: {
    type: "string",
    minLength: 3,
    maxLength: 100,
    description: "Location"
  },
  Pin: {
    type: "number",
    minimum: 100000,
    maximum: 999999,
    description: "Pincode"
  },
  Stcd: {
    type: "string",
    minLength: 1,
    maxLength: 2,
    description: "State Code of the buyer. Refer th
  },
  Ph: {
    type: "String",
    minLength: 6,
    maxLength: 12,
    description: "Phone or Mobile No."
  },
  Em: {
```

```
type: "string",3
ShipDtls: {

}
Pin: {

1
Sted: {

}

required: [
Nm,
Addri,
Loc,
Pin,

Stcd

type: "object",
properties: {

Gstin: {

type: "string",
minLength: 3,
maxLength: 100,

description: "Location"

type: "number",
minimum: 100000,
maximum: 999999,

description: "Pincode"

type: "string",
minLength: 1,
maxLength: 2,

description: "State Code. Refer the master"

type: "string",

maxLength: 15,

minLength: 3,

pattern: "A(((0-9){2}[0-9A-Z]{13}) | URP)S",

description: "GSTIN of entity to whom goods ai
LgINm: {

b
TrdNm: {

L
```

```
Addr1: {  
  
  Y  
  Addr2: {  
  
  }  
  Loc: {  
  
    1  
    Pin: {  
  
      type: "string",  
      minLength: 3,  
      maxLength: 100,  
  
      description: "Legal Name"  
  
      type: "string",  
      minLength: 3,  
      maxLength: 100,  
  
      description: "Trade Name"  
  
      type: "string",  
      minLength: 3,  
      maxLength: 100,  
  
      description: "Address1 of the entity to whom t  
  
      type: "string",  
      minLength: 3,  
      maxLength: 100,  
  
      description: "Address 2 of the entity to whom 1  
  
      type: "string",  
  
      minLength: 3,  
  
      maxLength: 100,  
  
      description: "Place (City, Town, Village) entity to  
  
      type: "number",  
      minimum: 100000,  
      maximum: 999999,  
  
      description: "Pincode"  
      Sted: {  
        type: "string",  
        minLength: 1,  
        maxLength: 2,  
  
        description: "State Code to which supplies are  
  
      }  
    }  
  }  
}
```

```
required: [
  LgINm,
  Addri,
  Loc,
  Pin,

  Stcd

  3
  ItemList: [{

    type: "object",

    properties: {

      SIno: {

        type: "string",

        minLength: 1,

        maxLength: 6,

        description: "Serial No. of Item"
        1
        PrdDesc: {

          type: "string",

          minLength: 3,

          maxLength: 300,

          description: "Product Description"
          1
          IsServc: {

            type: "string",
            minLength: 1,
            maxLength: 1,
            enum: [

              Y,
              ],

            description: "Specify whether the supply is sen

          }
          HsnCd: {
            type: "string",
            minLength: 4,
            maxLength: 8,
            description: "HSN Code. Refer Master"
          )
          Barcde: {
            type: "string",
            minLength: 3,
```

```
maxLength: 30,
description: "Bar Code"
1
Qty: {
type: "number",
minimum: 0,
maximum: 9999999999.999,
description: "Quantity"
1
FreeQty: {
type: "number",
minimum: 0,
maximum: 9999999999.999,
description: "Free Quantity"
)
Unit: {
type: "string",
minLength: 3,
maxLength: 8,
description: "Unit. Refer the master"
)
UnitPrice: {

type: "number",
minimum: 0,
maximum: 99999999999.999,

description: "Unit Price - Rate"

}
TotAmt: {
type: "number",
minimum: 0,
maximum: 99999999999.99,
description: "Gross Amount (Unit Price * Quan
)
Discount: {
type: "number",
minimum: 0,
maximum: 99999999999.99,
description: "Discount"
1
PreTaxVal: {
type: "number",
minimum: 0,
maximum: 99999999999.99,
description: "Pre tax value"
1
AssAmt: {
type: "number",
minimum: 0,
maximum: 99999999999.99,
description: "Taxable Value (Total Amount -Dis
)
GstRt: {
type: "number",
minimum: 0,
```

maximum: 999.999,
description: "The GST rate, represented as per:
)
IgstAmt: {

type: "number",
}
CgstAmt: {

},
SgstAmt: {

HE
CesRt: {

b
CesAmt: {

1

minimum: 0,
maximum: 999999999999.99,
description: " Amount of IGST payable."

type: "number",

minimum: 0,

maximum: 999999999999.99,
description: " Amount of CGST payable."

type: "number",

minimum: 0,

maximum: 999999999999.99,
description: " Amount of SGST payable."

type: "number",
minimum: 0,
maximum: 999.999,

description: "Cess Rate"

type: "number",
minimum: 0,
maximum: 999999999999.99,

description: "Cess Amount(Advalorem) on basi

CesNonAdvIAmt: {

i

StateCesRt: {

type: "number",

minimum: 0,
maximum: 999999999999.99,

description: "Cess Non-Advol Amount"

type: "number",
minimum: 0,
maximum: 999.999,
description: "State CESS Rate"
}

StateCesAmt: {
type: "number",
minimum: 0,
maximum: 999999999999.99,
description: "State CESS Amount"
}

StateCesNonAdvlAmt: {
type: "number",
minimum: 0,
maximum: 999999999999.99,
description: "State CESS Non Adval Amount"

1
OthChrg: {
type: "number",
minimum: 0,
maximum: 999999999999.99,
description: "Other Charges"

1
TotlItemVal: {
type: "number",
minimum: 0,
maximum: 999999999999.99,
description: "Total Item Value = Assessable Am"
}

OrdLineRef: {

type: "string",

minLength: 1,

maxLength: 50,

description: "Order line reference"
}

OrgCntry: {

type: "string",

2

PrdSINo: {

h

BchDtIs: {

minLength: 2,

maxLength: 2,

description: "Origin Country. Refer Master"

type: "string",
minLength: 1,

maxLength: 20,

description: "Serial number in case of each iter

type: "object",
properties: {

Nm: {

Y,

ExpDt: {

1

WrDt: {

),

required: [

Nm

type: "string",
minLength: 3,
maxLength: 20,

description: "Batch number"

type: "string",

maxLength: 10,

minLength: 10,

pattern: "[0-3][0-9]/[0-1][0-9]/[
description: "Batch Expiry Date'

type: "string",

maxLength: 10,

minLength: 10,

pattern: "[0-3][0-9]/[0-1][0-9]/[

description: "Warranty Date"

)

AttribDtls: {

type: "Array",

Attribute: [{

type: "object",

properties: {

Nm: {

```
type: "string",
minLength: 1,
maxLength: 100,
description: "Attribut
1
```

```
Val: {
type: "string",
minLength: 1,
maxLength: 100,
description: "Attribut
}
```

```
}
```

```
1]
```

```
}
```

```
)
```

```
required: [
```

```
SINo,
```

```
IsServc,
```

```
HsnCd,
```

```
UnitPrice,
```

```
TotAmt,
```

```
AssAmt,
```

```
GstRt,
```

```
TotItemVal
```

```
]
```

```
H,
```

```
ValDtls: {
```

```
type: "object",
```

```
properties: {
```

```
AssVal: {
```

```
},
```

```
CgstVal: {
```

```
}
```

```
SgstVal: {
```

```
}
```

```
IgstVal: {
```

```
%
```

```
CesVal: {
```

```
}
```

```
StCesVal: {
```

```
type: "number",
```

```
minimum: 0,
```

```
maximum: 99999999999999.99,
```

```
description: "Total Assessable value of all item:
```

```
type: "number",
```

```
maximum: 99999999999999.99,
```

```
minimum: 0,
```

description: "Total CGST value of all items"

type: "number",
minimum: 0,
maximum: 99999999999999.99,

description: "Total SGST value of all items"

type: "number",
minimum: 0,
maximum: 99999999999999.99,

description: "Total IGST value of all items"

type: "number",
minimum: 0,
maximum: 99999999999999.99,

description: "Total CESS value of all items"

type: "number",
minimum: 0,
maximum: 99999999999999.99,

description: "Total State CESS value of all items
1

required: [

1

Discount: {

},

OthChrg: {

1

type: "number",
minimum: 0,
maximum: 99999999999999.99,

description: "Discount"

type: "number",

minimum: 0,

maximum: 99999999999999.99,
description: "Other Charges"

RndOffAmt: {

b

TotInvVal: {

1

type: "number",
minimum: 0,
maximum: 99.99,

description: "Rounded off amount"

type: "number",
minimum: 0,
maximum: 99999999999999.99,

description: "Final Invoice value "

TotInvValFc: {

AssVal,
TotInvVal

type: "number",
minimum: 0,
maximum: 99999999999999.99,

description: "Final Invoice value in Additional C
}s

PayDtIs: {

type: "object",

properties: {

Nm: {

type: "string",

minLength: 1,

maxLength: 100,

description: "Payee Name"
)

AccDet: {

type: "string",

minLength: 1,

maxLength: 18,

description: "Bank account number of payee"

1

Mode: {

type: "string",

minLength: 1,

```
maxLength: 18,

description: "Mode of Payment: Cash, Credit, [
1
FinInsBr: {

type: "string",

minLength: 1,

maxLength: 11,

description: "Branch or IFSC code"
)
PayTerm: {

type: "string",

minLength: 1,

maxLength: 100,

description: "Terms of Payment"
)
PayInstr: {

type: "string",
}s

minLength: 1,
maxLength: 100,

description: "Payment Instruction"

}
CrTrn: {
type: "string",
minLength: 1,
maxLength: 100,
description: "Credit Transfer"
)
DirDr: {
type: "string",
minLength: 1,
maxLength: 100,
description: "Direct Debit"
1
CrDay: {
type: "number",
minimum: 0,
maximum: 9999,
description: "Credit Days"
1
PaidAmt: {
type: "number",
minimum: 0,
maximum: 99999999999999.99,
```

```

description: "The sum of amount which have b
)
PaymtDue: {
type: "number",
minimum: 0,
maximum: 99999999999999.99,
description: "Outstanding amount that is requi
}
RefDtls: {
type: "object",

properties: {

InvRm: {
type: "string",
maxLength: 100,
minLength: 3,
pattern: "A[0-9A-Za-z/-]{3,100}5",
description: "Remarks/Note"
)

DocPerdDtls: {
type: "object",
properties: {
InvStDt: {

type: "string",
maxLength: 10,
minLength: 10,
pattern: "[0-3][0-9]/[0-1][0-9]/[

description: "Invoice Period Sta

12
InvEndDt: {
type: "string",
maxLength: 10,
minLength: 10,
pattern: "[0-3][0-9]/[0-1][0-9]/[
description: "Invoice Period Enc
}
}
)
required: [
InvStDt,
InvEndDt
]

2
PrecDocDtls: {

type: "Array",

PrecDocument: [{
HE
ContrDtls: {

type: "object",

```

```
properties: {  
  
  InvNo: {  
    type: "string",  
    minLength: 1,  
    maxLength: 16,  
    pattern: "A[1-9A-Z]{1  
    description: "Referer  
  )
```

```
  InvDt: {  
    type: "string",  
    maxLength: 10,  
    minLength: 10,  
    pattern: "[0-3][0-9]/[  
    description: "Date of
```

```
1
```

```
  OthRefNo: {  
  
  }  
}  
1,  
required: [  
  InvNo,  
  InvDt  
]
```

```
type: "Array",  
Contract: [{  
  type: "object",
```

```
properties: {  
  
  type: "string",  
  minLength: 1,  
  maxLength: 20,  
  description: "Other R
```

```
  RecAdvRefr: {
```

```
    type: "string",  
  }  
  RecAdvDt:
```

```
)
```

```
  TendRefr:
```

```
}
```

```
  ContrRefr:
```

```
A
```

```
  ExtRefr: {
```

Y

ProjRefr: {

minLength: 1,
maxLength: 20,
pattern: "A([0-9A-Za-

description: "Receipt

{

type: "string",
minLength: 10,
maxLength: 10,
pattern: "[0-3][0-9]/[

description: "Date of

{

type: "string",
minLength: 1,
maxLength: 20,
pattern: "A([0-9A-Za-
description: "Lot/Bat

{

type: "string",
minLength: 1,
maxLength: 20,
pattern: "A([0-9A-Za-

description: "Contrac

type: "string",
minLength: 1,
maxLength: 20,
pattern: "A([0-9A-Za-
description: "Any oth

type: "string",
minLength: 1,
1]

}

)

required: [

InvStDt,

InvEndDt

]

}

Add1DocDtls: {

type: "Array",

AddDocument: [{

type: "object",

properties: {

Url: {

maxLength: 20,
pattern: "A([0-9A-Za-

description: "Project

)

PORefr: {
type: "string",
minLength: 1,
maxLength: 16,
pattern: "A([0-9A-Za-
description: " PO Ref

)

PORefDt: {
type: "string",
minLength: 10,
maxLength: 10,
pattern: "[0-3][0-9]/[
description: "PO Refe

}

type: "string",

minLength: 3,

maxLength: 100,
description: "Supporting document URL"
)

Docs: {

type: "string",

minLength: 3,

maxLength: 1000,

description: "Supporting document in Bast
1

Info: {

type: "string",

minLength: 3,

maxLength: 1000,

description: "Any additional information"

1]

3

```

ExpDtls: {
  type: "object",
  properties: {

    ShipBNo: {
      type: "string",
      minLength: 1,
      maxLength: 20,
      description: "Shipping Bill No."
    },
    ShipBDt: {
      type: "string",
      minLength: 10,
      maxLength: 10,
      pattern: "[0-3][0-9]/[0-1][0-9]/[2][0][1-2][0-9]",
      description: "Shipping Bill Date"
    }
  }
}
Port: {
  type: "string",
  minLength: 2,
  maxLength: 10,
  pattern: "A[0-9A-Za-z]{2,10}5",
  description: "Port Code. Refer the master"
}
RefClm: {
  type: "string",
  minLength: 1,
  maxLength: 1,
  description: "Claiming Refund. Y/N"
}
ForCur: {
  type: "string",
  minLength: 3,
  maxLength: 16,
  description: "Additional Currency Code. Refer the nv"
}
CntCode: {
  type: "string",
  minLength: 2,
  maxLength: 2,
  description: "Country Code. Refer the master"
}
ExpDuty: {
  type: "number",
  minimum: 0,
  maximum: 999999999999.99,
  description: "Export Duty"
}
}
3
EwbDtls: {
  type: "object",
  properties: {

```

TransId: {

type: "string",

minLength: 15,

maxLength: 15,

description: "Transin/GSTIN"
1)

TransName: {
type: "string",
minLength: 3,
maxLength: 100,
description: "Name of the transporter"

12

TransMode: {
type: "string",
maxLength: 1,
minLength: 1,
enum: [

L
description: "Mode of transport (Road-1, Rail-2, Air
L

Distance: {
},
ForCur: {
},
CntCode: {
description: "Claiming Refund. Y/N"
type: "string",
minLength: 3,
maxLength: 16,
description: "Additional Currency Code. Refer the m
},
ExpDuty: {
type: "string",
minLength: 2,
maxLength: 2,
description: "Country Code. Refer the master"
type: "number",
minimum: 0,
maximum: 999999999999.99,
description: "Export Duty"
}
}
},
EwbDtls: {
type: "object",
properties: {
TransId: {
type: "string",

```
minLength: 15,  
},  
maxLength: 15,  
description: "Transin/GSTIN"  
TransName: {  
  type: "string",  
  minLength: 3,  
},  
TransMode: {  
  maxLength: 100,  
  description: "Name of the transporter"  
},  
Distance: {  
  type: "string",  
  maxLength: 1,  
  minLength: 1,  
  enum: [  
    1,  
    2,  
    3,  
    1,  
  ],  
  description: "Mode of transport (Road-1, Rail-2, Air-3),"  
}
```