

# API Documents

## INTRODUCTION

HEI ITI Third Party API Documentation Details

## Standard Json Format for API

Name	Description
Meta	A meta member can be used to include non-standard meta-information. The value of each meta member MUST be an object (a “meta object”)
Data	<ul style="list-style-type: none"><li>· The request MUST include a single <a href="#">resource object</a> as primary data.</li><li>· The request object MUST contain at least a type member.</li><li>· If a relationship is provided in the relationships member of the <a href="#">resource object</a>, its value MUST be a relationship object with a data member.</li><li>· Type attributes are dependent on the API requests.</li></ul>

## Description Of Usual Server Responses:

- 200 OK - the request was successful (some API calls may return 201 instead).
- 201 Created - the request was successful and a resource was created.
- 204 No Content - the request was successful but there is no representation to return (i.e. the response is empty).
- 400 Bad Request - the request could not be understood or was missing required parameters.
- 401 Unauthorized - authentication failed or user doesn't have permissions for requested operation.
- 403 Forbidden - access denied.
- 404 Not Found - resource was not found.
- 405 Method Not Allowed - requested method is not supported for resource.

## 1. Save ITI To Draft

Name	Details
Api	<a href="https://uat.tpapi-hgie2e.ekbana.net/iti">https://uat.tpapi-hgie2e.ekbana.net/iti</a>
Intro	<p>This api is called to get the premium by filling up all required data along with Draft number, and whenever customer is ready to buy policy he/she should proceed to payment and upon successful payment <code>{{base_url}}/iti/update-transaction</code> should be used but keep in mind that the api validates the amount using draftId. For example if <code>{{base_url}}/iti/</code> return draftID 123abc with total premium Rs 5000 and while calling <code>{{base_url}}/iti/update-transaction</code> API if you send Rs 4000 as paid amount it will throw an error.</p>
Method	POST
Body	Form Data
Header	Authorization: "Bearer " + clientId:clientSecret (Encode clientId:ClientSecret to base64)
Required parameters	<ul style="list-style-type: none"><li>● individual_type</li><li>● salutation</li><li>● first_name</li><li>● last_name</li><li>● dob_ad</li><li>● email</li><li>● gender</li><li>● mobile_number</li><li>● occupation</li><li>● passport_number</li><li>● policy_trip_start_date</li><li>● policy_trip_end_date</li><li>● policy_visiting_country</li><li>● policy_father_or_husband_name</li><li>● policy_emergency_contact_person_name</li><li>● policy_emergency_contact_person_phone</li><li>● policy_trip_type</li><li>● policy_insured_type</li><li>● policy_travelling_country</li><li>● policy_plan</li><li>● policy_questionnaires</li><li>● covid_inclusion</li><li>● policy_province</li><li>● policy_district</li></ul>

- policy\_street
- policy\_municipality
- policy\_ward
- citizenship number
- license\_number
- voters\_card\_number
- passport\_number

**Note:-**

- If policy\_insured\_type equals to individual insured\_json must be empty object
- If policy\_insured\_type equals to family or group insured\_json must be of following format

```

{
  "data": [{
    "relation": "adult3",
    "full_name": "Shreetika Bista",
    "passport_number": "123N1sdsds23N12",
    "dob": "1960-02-04",
    "gender": "female"
  }, {
    "relation": "adult3",
    "full_name": "Shreetika Bista",
    "passport_number": "123N1dsrfef23N12",
    "dob": "2010-08-08",
    "gender": "female"
  },
  {
    "relation": "adult3",
    "full_name": "Shreetika Bista",
    "passport_number": "123N123asasN12",
    "dob": "2020-08-08",
    "gender": "female"
  },
  {
    "relation": "adult3",
    "full_name": "Shreetika Bista",
    "passport_number": "123N123sasN12",
    "dob": "2020-08-08",
    "gender": "female"
  },
  {
    "relation": "adult3",
    "full_name": "Shreetika Bista",
    "passport_number": "123N12sdd3N12",
    "dob": "2020-08-08",
    "gender": "female"
  }
  ]
}

```

<p><b>Request</b></p>	<ul style="list-style-type: none"> <li>● individual_type:nepali</li> <li>● salutation:miss</li> <li>● first_name:samina</li> <li>● last_name:tuladhar</li> <li>● dob_ad:1993-02-04</li> <li>● email:samina.tuladhar100@gmail.com</li> <li>● gender:female</li> <li>● mobile_number:9860939032</li> <li>● occupation:IT developer</li> <li>● passport_number:8989/098/900</li> <li>● passport_image:dsf</li> <li>● profile_image:dfds</li> <li>● policy_trip_start_date:2022-02-03</li> <li>● policy_trip_end_date:2022-05-03</li> <li>● policy_visiting_country:europa</li> <li>● policy_father_or_husband_name:subarna Tuladhar</li> <li>● policy_emergency_contact_person_name:sameer twayana</li> <li>● policy_emergency_contact_person_phone:9841471358</li> <li>● policy_trip_type:annual</li> <li>● policy_insured_type:individual</li> <li>● policy_travelling_country:asia_pacific</li> <li>● policy_plan:plan1</li> <li>● policy_questionnaires:sdd</li> <li>● passport_expiry_date:2025-09-20</li> <li>● covid_inclusion:true</li> <li>● insured_json: { }</li> </ul>
<p><b>Response</b></p>	<p><b><u>Success</u></b></p> <pre>{   "message": "Policy Save to Draft Successfully.",   "draftNumber": "v39QT2fpzr",   "usdPremium": 130,   "covindInclusionUsdPremium": 13,   "exchangeRate": 127.54,   "mainPolicyPremium": 18238.22,   "stampDuty": 20,   "vat": 2373.57,   "totalPremium": 20631.79,   "cancellationFee": 500</pre>

```
}
```

### **Failure**

```
{  
  "data": {  
    "individual_type": "nepali",  
    "salutation": "miss",  
    "first_name": "samina",  
    "last_name": "tuladhar",  
    "dob_ad": "1993-02-04",  
    "email": "samina.tuladhar100@gmail.com",  
    "gender": "female",  
    "mobile_number": "9860939032",  
    "occupation": "IT developer",  
    "passport_number": "8989/098/900",  
    "passport_image": "dsf",  
    "profile_image": "dfds",  
    "policy_trip_start_date": "2022-02-03",  
    "policy_trip_end_date": "2022-05-03",  
    "policy_visiting_country": "europe",  
    "policy_father_or_husband_name": "subarna Tuladhar",  
    "policy_emergency_contact_person_name": "sameer twayana",  
    "policy_emergency_contact_person_phone": "9841471358",  
    "policy_trip_type": "annual",  
    "policy_insured_type": "individual",  
    "policy_travelling_country": "asia_pacific",  
    "policy_plan": "plan1",  
    "policy_questionnaires": "sdd",  
    "passport_expiry_date": "2025-09-20",  
    "adults": "1"  
  },  
  "error": {  
    "code": 422,  
    "message": "Bad Request",  
    "errors": {  
      "covid_inclusion": {  
        "msg": "Covid Inclusion is required",  
        "param": "covid_inclusion",  
        "location": "body"  
      }  
    }  
  }  
}
```

**Client Id**

**Client  
Secret**

Sent through email

**Note:**

Payload key and validation of post iti policy

Payload key	Validations
individual_type	Required : true , Allowed value : nepali, expat, nrn
salutation	Required: true Allowed value: mrs, mr, miss
first_name	Required: true, Length: max 150 characters
middle_name	Length: max 150 characters
last_name	Required: true, Length: max 150 characters
dob_ad	Required: true, format: YYYY-MM-DD
email	Required: true, Length: max 150 characters Valid email
gender	Required: true Allowed values: male, female, other
province	Required: true Length: max 150 characters
district	Required: true Required: true Length: max 150 characters
municipality	Required: true Length: max 150 characters
ward	Required: true Length: max 150 characters
street	Required: true Length: max 150 characters
mobile_number	Length: max 14 characters
occupation	Required: true Length: max 150 characters
citizenship_number	Length: max 150 characters
citizenship_issue_date	Required if citizenship number is provided format: YYYY-MM-DD
citizenship_issue_district	Length: max 150 characters

license_number	Length: max 150 characters
license_issue_date	Required if license number is provided format: YYYY-MM-DD
voters_card_number	Length: max 150 characters
passport_number	Length: max 150 characters
passport_expiry_date	Required if passport number is provided format: YYYY-MM-DD
policy_trip_start_date	format: YYYY-MM-DD , required: true
policy_trip_end_date	required : true format: YYYY-MM-DD
policy_visiting_country	Required: true Allowed values: asia, include, exclude
policy_father_or_husband_name	Length: max 150 characters Required: true
policy_emergency_contact_person_name	Length: max 150 characters Required: true
policy_emergency_contact_person_phone	Length: max 14 characters Required: true
policy_trip_type	Required : true Allowed values: single,return, annual
policy_insured_type	Required : true Allowed values: individual, family, group
policy_insured_json	Required if policy_insured_type_value is either family or group
policy_travelling_country	Required : true Allowed values: asia_pacific, worldwide1, worldwide2
policy_questionnaires	Required : true
passport_image	Required Allowed format: jpg,png
profile_image	Required Allowed format: jpg,png

## 2. ITI POLICY CALCULATION

Name	Details
------	---------

<b>API</b>	https://uat.tpapi-hgie2e.ekbana.net/iti/policy-calculation
<b>Header</b>	Authorization: "Bearer " + clientId:clientSecret (Encode clientId:ClientSecret to base64)
<b>Body</b>	Form Data
<b>Method</b>	POST
<b>Required Parameters</b>	<ul style="list-style-type: none"> <li>• dob_ad</li> <li>• policy_trip_start_date</li> <li>• policy_trip_end_date</li> <li>• policy_visiting_country</li> <li>• policy_trip_type</li> <li>• policy_insured_type</li> <li>• covid_inclusion</li> <li>• Policy_plan</li> <li>• insured_json</li> </ul>
<b>Request</b>	<ul style="list-style-type: none"> <li>• dob_ad</li> <li>• policy_trip_start_date</li> <li>• policy_trip_end_date</li> <li>• policy_visiting_country</li> <li>• policy_trip_type</li> <li>• policy_insured_type</li> <li>• covid_inclusion</li> <li>• Policy_plan</li> <li>• insured_json</li> </ul> <p><b>Note:-</b></p> <ul style="list-style-type: none"> <li>• If policy_insured_type equals to individual insured_json must be empty object</li> <li>• If policy_insured_type equals to family or group insured_json must be of following format <pre> {   "data": [{     "relation": "adult3",     "full_name": "Shreetika Bista",     "passport_number": "123N1sdsds23N12",     "dob": "1960-02-04",     "gender": "female"   }, {     "relation": "adult3",     "full_name": "Shreetika Bista",     "passport_number": "123N1dsrfef23N12",     "dob": "2010-08-08",     "gender": "female"   } }, </pre> </li> </ul>



```

    {
      "relation": "adult3",
      "full_name": "Shreetika Bista",
      "passport_number":
"123N123asasN12",
      "dob": "2020-08-08",
      "gender": "female"
    },
    {
      "relation": "adult3",
      "full_name": "Shreetika Bista",
      "passport_number":
"123N123sasN12",
      "dob": "2020-08-08",
      "gender": "female"
    },
    {
      "relation": "adult3",
      "full_name": "Shreetika Bista",
      "passport_number":
"123N12sdd3N12",
      "dob": "2020-08-08",
      "gender": "female"
    }
  ]
}

```

## Response

### Success:

```

{
  "usdPremium": 13.9,
  "covindInclusionUsdPremium": 1.39,
  "exchangeRate": 127.54,
  "mainPolicyPremium": 1950.09,
  "stampDuty": 20,
  "vat": 256.11,
  "totalPremium": 2226.2,
  "cancellationFee": 500
}

```

### Failure:-

```

{
  "data": {},
  "error": {
    "code": 422,
    "message": "Bad Request",
    "errors": {
      "dob_ad": {
        "msg": "DOB in A.D is required",
        "param": "dob_ad",
        "location": "body"
      }
    }
  }
}

```

```

    },
    "policy_trip_start_date": {
      "msg": "Trip Start Date is required",
      "param": "policy_trip_start_date",
      "location": "body"
    },
    },
    "policy_trip_end_date": {
      "msg": "Trip End Date is required",
      "param": "policy_trip_end_date",
      "location": "body"
    },
    },
    "policy_visiting_country": {
      "msg": "Visiting Country is required",
      "param": "policy_visiting_country",
      "location": "body"
    },
    },
    "policy_trip_type": {
      "msg": "Trip Type is required",
      "param": "policy_trip_type",
      "location": "body"
    },
    },
    "policy_insured_type": {
      "msg": "Insured Type is required",
      "param": "policy_insured_type",
      "location": "body"
    },
    },
    "covid_inclusion": {
      "msg": "Covid Inclusion is required",
      "param": "covid_inclusion",
      "location": "body"
    }
  }
}
}
}

```

<b>Client Id</b>	
<b>Client Secret</b>	

**Note:**

Payload key and validation of post iti policy-calculation

Payload key	Validations
dob_ad	Required: true, format: YYYY-MM-DD
policy_trip_start_date	format: YYYY-MM-DD , required: true
policy_trip_end_date	required : true format: YYYY-MM-DD
policy_visiting_country	Length: max 150 characters Required: true
policy_trip_type	Required : true Allowed values: single,return, annual
policy_insured_type	Required : true Allowed values: individual, family, group
insured_json	{ }
policy_plan	Required : true Allowed values: plan1, plan2
covid_inclusion	Required : true
	Allowed values: true,false

### 3. ITI UPDATE TRANSACTION

Name	Details
API	<a href="https://uat.tpapi-hgie2e.ekbana.net/iti/update-transaction">https://uat.tpapi-hgie2e.ekbana.net/iti/update-transaction</a>
Header	Authorization: "Bearer " + clientId:clientSecret (Encode clientId:ClientSecret to base64)
Method	POST
Body	Raw
Required Parameters	<ul style="list-style-type: none"> <li>● transaction_id</li> <li>● draft_number</li> <li>● paid_amount</li> <li>● payment_gateway</li> </ul>
Request	{ "transaction_id": "esewa123",

	<pre> "draft_number": "IILPfMIKFv", "paid_amount": 16379.59, "payment_gateway": "esewa" } </pre>
<b>Response</b>	<p><b><u>Success:</u></b></p> <pre> {   "message": "Policy creation is in progress. Policy details will be send shortly." } </pre> <p><b><u>Failure:-</u></b></p> <pre> {   "data": {},   "error": {     "code": 422,     "message": "Bad Request",     "errors": {       "draft_number": {         "msg": "Draft Number is required",         "param": "draft_number",         "location": "body"       },       "transaction_id": {         "msg": "Transaction Id is required",         "param": "transaction_id",         "location": "body"       },       "paid_amount": {         "msg": "Paid Amount is required",         "param": "paid_amount",         "location": "body"       },       "payment_gateway": {         "msg": "Payment Gateway is required",         "param": "payment_gateway",         "location": "body"       }     }   } } </pre> <p><b><u>Failure:-</u></b></p>

	<pre>{   "error": {     "code": 422,     "message": "Iti policy was not found for the given draft number"   } }</pre>
<b>Client Id</b>	
<b>Client Secret</b>	

#### 4. Get Policy PDF

<b>Name</b>	<b>Details</b>
<b>API</b>	https://uat.tpapi-hgie2e.ekbana.net/iti/get-pdf
<b>Header</b>	Authorization: "Bearer " + clientId:clientSecret (Encode clientId:ClientSecret to base64)
<b>Method</b>	GET
<b>Query Params</b>	document_number=KTM/ITI/11/22/23/01687
<b>Response</b>	<p><b><u>Success:</u></b></p> <p>PDF Html in response</p> <p><b><u>Failure:-</u></b></p> <pre>{   "error": {</pre>

	<pre> "code": 404, "message": "Pdf not found." } } </pre>
<b>Client Id</b>	
<b>Client Secret</b>	

## 5. ITI MANUAL UPDATE TRANSACTION

Name	Details
<b>API</b>	https://uat.tpapi-hgie2e.ekbana.net/api/v1/update-iti
<b>Header</b>	Authorization: "Bearer " + clientId:clientSecret (Encode clientId:ClientSecret to base64) Api-Key:-bhc9bmdevlkrxtc
<b>Method</b>	POST
<b>Body</b>	Raw
<b>Required Parameters</b>	<ul style="list-style-type: none"> <li>● draftNo</li> <li>● policyNumber</li> <li>● documentNumber</li> <li>● receiptNumber</li> <li>● invoiceNumber</li> </ul>
<b>Request</b>	<pre> { "draftNo": "ZsKS4CEzxd", "policyNumber": "KTM/ITI/11/21/22/00112", "documentNumber": "KTM/ITI/11/21/22/00112", "receiptNumber": "KTM-21/22-500", "invoiceNumber": "KTM-21/22-500" } </pre>
<b>Response</b>	<b><u>Success:</u></b>

**Failure:-**

```
{
  "errors": [
    {
      "title": "required",
      "detail": "required validation failed on draftNo",
      "source": {
        "pointer": "draftNo"
      }
    },
    {
      "title": "required",
      "detail": "required validation failed on policyNumber",
      "source": {
        "pointer": "policyNumber"
      }
    },
    {
      "title": "required",
      "detail": "required validation failed on
documentNumber",
      "source": {
        "pointer": "documentNumber"
      }
    },
    {
      "title": "required",
      "detail": "required validation failed on receiptNumber",
      "source": {
        "pointer": "receiptNumber"
      }
    },
    {
      "title": "required",
      "detail": "required validation failed on
invoiceNumber",
      "source": {
        "pointer": "invoiceNumber"
      }
    }
  ],
  "meta": {
    "copyright": "Copyright 2019 E.K. Solutions Pvt. Ltd.",
    "site": "https://adonis-ekcms.ekbana.net",
    "emails": [
      "krishna.maharjan@ekbana.info",
```

	<pre> "ekbana@info.com" ], "api": {   "version": 1 } } } </pre>
<b>Client Id</b>	
<b>Client Secret</b>	

## 6. GET QUESTIONNAIRES

Name	Details
<b>API</b>	<a href="https://uat.tpapi-hgie2e.ekbana.net/api/v1/iti-questionnaires">https://uat.tpapi-hgie2e.ekbana.net/api/v1/iti-questionnaires</a>
<b>Header</b>	Authorization: "Bearer " + clientId:clientSecret (Encode clientId:ClientSecret to base64) Api-Key:-bhc9bmdevlkrxtc
<b>Method</b>	GET
<b>Body</b>	Raw
<b>Required Parameters</b>	
<b>Request</b>	
<b>Response</b>	<p><b><u>Success:</u></b></p> <pre> {   "meta": {     "copyright": "Copyright 2021 Ekbana Pte",     "email": "info@ekbana.com",     "api": {       "version": "v0.1"     }   }, </pre>



```

    "data": [{
      "id": "feeaf606-fdba-4890-a287-32014ca96409",
      "position": 1,
      "question": "What is your favourite colour?",
      "createdAt": "2021-09-14T14:55:59.000Z",
      "updatedAt": "2021-09-14T20:41:12.000Z"
    },
    {
      "id": "feeaf606-fdba-4890-a287-32014ca96408",
      "position": 2,
      "question": "What is your name ??",
      "createdAt": "2021-09-14T14:55:59.000Z",
      "updatedAt": "2021-09-14T20:41:12.000Z"
    }
  ]
}

```

**Failure:-**

```

{
  "error": {
    "code": 403,
    "message": "403 forbidden access"
  }
}

```

**Client Id**

**Client Secret**